

USAFETAC/DS-79/017

A070149

**DATA PROCESSING BRANCH
USAFETAC
Air Weather Service (MAC)**

**REVISED UNIFORM SUMMARY OF
SURFACE WEATHER OBSERVATIONS**

WILLIAMS AFB ARIZONA/CHANDLER

N 33 18 W 111 40 FLD ELEV 1385 FT KCHD

WEAN# 23104

WMO# - - -

FOR FROM HOURLY OBS: MAR 42-FEB 46, APR 46-DEC 74

FOR FROM DAILY OBS: MAR 42-FEB 46, APR 46-DEC 74

JUL 16 1975

**FEDERAL BUILDING
ASHEVILLE, N. C.**

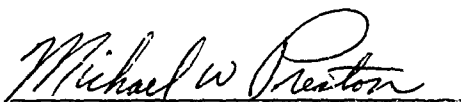
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FOR THE COMMANDER



WALTER S. BURGMANN
Scientific & Technical
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A070149

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THIS SHEET

I

INVENTORY

USAFETAC/DS-79/017

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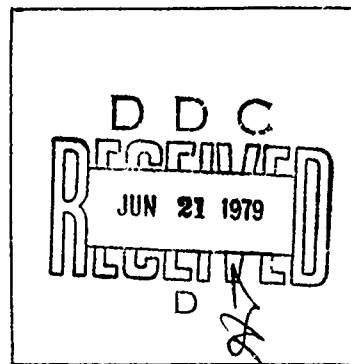
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| REPORT DOCUMENTATION PAGE | | READ INSTRUCTIONS BEFORE COMPLETING FORM | | | | | | | | | | | | | | | |
|--|-----------------------|--|---------|-------------------|----------------------|----------|--------------------|-----------------------|-------------|--------------------|-----------------------|---------------|---------------------|---------------------------|-------------------|----------------------|--------|
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| 18. SUPPLEMENTARY NOTES | | | | | | | | | | | | | | | | | |
| 19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table> | | | *RUSSWO | Daily temperature | Atmospheric pressure | Snowfall | Extreme snow depth | Extreme surface winds | Climatology | Sea-level pressure | Psychrometric summary | Surface Winds | Extreme temperature | Ceiling versus visibility | Relative humidity | *Climatological data | (over) |
| *RUSSWO | Daily temperature | Atmospheric pressure | | | | | | | | | | | | | | | |
| Snowfall | Extreme snow depth | Extreme surface winds | | | | | | | | | | | | | | | |
| Climatology | Sea-level pressure | Psychrometric summary | | | | | | | | | | | | | | | |
| Surface Winds | Extreme temperature | Ceiling versus visibility | | | | | | | | | | | | | | | |
| Relative humidity | *Climatological data | (over) | | | | | | | | | | | | | | | |
| 20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Williams AFB, Chandler, Arizona It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)) | | | | | | | | | | | | | | | | | |

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

19. Percentge frequency of distribution tables
Dry-bulb temperature versus wet-bulb temperature
Cumulative percentage frequency of distribution tables
 - * Arizona
 - * Williams AFB AZ
20. and dew-point temperatures and relative humidity); and (F) Pressure
Summary (means, standard, deviations, and observation counts of
station pressure and sea-level pressure). Data in this report are
presented in tabular form, in most cases in percentage frequency of
occurrence or cumulative percentage frequency of occurrence tables.

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SECURITY CLASSIFICATION OF THIS PAGE(When Data Entered)

THE EXTREME VALUES COULD CONTAIN SUSPECT OR QUESTIONABLE DATA. SUCH CASES USUALLY APPEAR IN THE TABULATIONS AS A PERCENTAGE FREQUENCY OF ".0", WHICH USUALLY INDICATES ONLY ONE OCCURRENCE. THESE MAY OR MAY NOT BE COMPLETELY VALID, BUT THE USER SHOULD NOT DISREGARD THEM ENTIRELY. OBVIOUS ERRORS OR IMPOSSIBLE CONDITIONS HAVE BEEN LINED THROUGH IN BLACK INK.

U S AIR FORCE
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REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

Preceding each section is a brief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U. S. Services and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV -
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 0000-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY _____
FEBRUARY _____
MARCH _____

APRIL _____
MAY _____
JUNE _____

JULY _____
AUGUST _____
SEPTEMBER _____

OCTOBER _____
NOVEMBER _____
DECEMBER _____

| STATION NO ON SUMMARY | | STATION NAME | | LATITUDE | | LONGITUDE | | FIELD ELEV (FT) | | CALL SIGN | | WMO NUMBER | |
|--|----------------------------------|------------------------------------|---------------------|------------------|-----------------|---|---------------------|-----------------|-------------|-----------|--|------------|--|
| 23104 | | WILLIAMS AFB ARIZONA/CHANDLER | | N33 18 | | W111 40 | | 1385 | | KCHD | | | |
| STATION LOCATION AND INSTRUMENTATION HISTORY | | | | | | | | | | | | | |
| NUMBER OF LOCATION | GEOGRAPHICAL LOCATION & NAME | TYPE OF STATION | AT THIS LOCATION | | LATITUDE | LONGITUDE | ELEVATION ABOVE MSL | | OBS PER DAY | | | | |
| | | | FROM | TO | | | FIELD (FT) | HT. BARO. | | | | | |
| 1. | Williams Field, Chandler Arizona | AAF | Mar42 | Sept44 | N33 18 | W111 40 | 1344 | 1351 | 24 | | | | |
| 2. | Same | Same | Oct44 | Apr53 | Same | Same | 1338 | Same | 24 | | | | |
| 3. | Williams AFB Arizona | AFB | Apr53 | Apr54 | Same | Same | 1360 | Same | 24 | | | | |
| 4. | Same | Same | Apr54 | Mar59 | Same | Same | 1372 | Same | 24 | | | | |
| 5. | Same | Same | Mar59 | Dec60 | Same | Same | 1385 | Same | 24 | | | | |
| 6. | Same | Same | Jan61 | Apr63 | Same | Same | Same | Same | 14 to 17 | | | | |
| 7. | Same | Same | May63 | Sept65 | Same | Same | Same | Same | 24 | | | | |
| 8. | Same | Same | Oct65 | Dec70 | Same | Same | Same | Same | 12 to 18 | | | | |
| 9. | Same | Same | Jan71 | Dec74 | Same | Same | Same | Same | 15 to 18 | | | | |
| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE | | | | | | | |
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT ABOVE GROUND | | | | | | | | |
| 1. | Mar42 | Located on Operations Building | Anerometer | ML-144 | 35ft | | | | | | | | |
| 2. | Jul45 | SAME | Selsyn | Same | 25ft | | | | | | | | |
| 3. | Sept48 | Not Available | Same | Same | N/A | | | | | | | | |
| 4. | Apr53 | Located in Weather Station | Same | ML-144B | 47.5ft | | | | | | | | |
| 5. | Apr56 | Located on top of Base Operations | Selsyn | ML-144B | 65ft | | | | | | | | |
| 6. | Apr57 | Located on top of Weather Station | Same | Same | 40ft | | | | | | | | |

| NUMBER OF LOCATION | DATE OF CHANGE | SURFACE WIND EQUIPMENT INFORMATION | | | | REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE |
|--------------------------|----------------------|---|------------------------|---------------------|---------------------|---|
| | | LOCATION | TYPE OF TRANSMITTER | TYPE OF RECORDER | HT. ABOVE GROUND | |
| 7. | Apr59 | SAME | Same | Same | 35ft | |
| 8. | Jan61 | Located 750ft NE from hwy NW-SE and 400ft E from hwy NE-SW | AN/GMC-11 | RO-2 | 13ft | |
| 9. | Apr62 | Located on SE end of NW-SE hwy | Same | Same | 9ft | |
| 10. | Apr63 | Located between the hways at 1/2 way point | Same | Same | 8ft | |
| 11. | Apr64 | SAME | Same | Same | 13ft | |
| 12. | Nov66 | Located 1/2 way between Rnwys 30L and 30R approx 1/2 way down length of Rnwys 100 yds. to left of GCA | Same | Same | Same | |
| 13. | Jan71 | Located 2000ft NE of ROS between Rnwys 12C & 12R | AN/GMC-20 | RO-362 | Same | |
| 14. | Jan72 | Located 750ft SW of centerline, 400ft from end of hwy 12C | Same | Same | Same | |
| 15. | Dec74 | SAME | Same | Same | Same | |

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A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

ALL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | ALL | .0 | 3.6 | | | | 3.6 | .8 | .3 | | .1 | 1.2 | 19958 |
| FEB | | .0 | 2.8 | | | .0 | 2.8 | .2 | .1 | | .3 | .6 | 17688 |
| MAR | | .1 | 2.5 | | | .0 | 2.5 | .1 | .1 | | .4 | .6 | 20125 |
| APR | | .1 | 1.2 | | | | 1.2 | .0 | .1 | | .6 | .7 | 20173 |
| MAY | | .1 | .4 | | | .0 | .4 | | .1 | | .2 | .3 | 21139 |
| JUN | | .3 | .4 | | | | .4 | | .1 | .0 | .2 | .3 | 20543 |
| JUL | | 1.4 | 2.0 | | | | 2.0 | .0 | .1 | | .8 | .9 | 21021 |
| AUG | | 1.5 | 2.3 | | | | 2.3 | .1 | .1 | | .7 | .9 | 21506 |
| SEP | | .6 | 1.3 | | | | 1.3 | .1 | .0 | | .3 | .4 | 20382 |
| OCT | | .4 | 2.0 | | | .0 | 2.0 | .1 | .1 | | .3 | .5 | 20904 |
| NOV | | .1 | 1.8 | | | | 1.8 | .4 | .5 | | .2 | 1.0 | 19930 |
| DEC | | .1 | 2.7 | | .0 | .0 | 2.7 | .6 | .6 | | .1 | 1.2 | 19988 |
| TOTALS | | .4 | 1.9 | | .0 | .0 | 1.9 | .2 | .2 | .0 | .4 | .7 | 243357 |

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USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

43-74

JAN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JAN | 00-02 | | 4.6 | | | | 4.6 | .6 | .2 | | .3 | 1.1 | 1888 |
| | 03-05 | | 4.6 | | | | 4.6 | .8 | .1 | | .1 | 1.1 | 2174 |
| | 06-08 | | 4.1 | | | | 4.1 | 1.4 | .2 | | .1 | 1.7 | 2708 |
| | 09-11 | .0 | 3.5 | | | | 3.5 | 1.3 | .6 | | .1 | 1.9 | 2874 |
| | 12-14 | .1 | 3.5 | | | | 3.5 | 1.0 | .5 | | .1 | 1.5 | 2884 |
| | 15-17 | .1 | 2.7 | | | | 2.7 | .6 | .4 | | | 1.0 | 2799 |
| | 18-20 | .0 | 2.7 | | | | 2.7 | .4 | .4 | | .0 | .8 | 2529 |
| | 21-23 | | 3.1 | | | | 3.1 | .5 | .1 | | .1 | .8 | 2102 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 3.6 | | | | 3.6 | .8 | .3 | | .1 | 1.2 | 19958 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER

43-74

FEB

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| FEB | 00-02 | | 2.6 | | | | 2.6 | | | | .3 | .3 | 1660 |
| | 03-05 | | 3.0 | | | | 3.0 | .2 | | | .2 | .3 | 1922 |
| | 06-08 | | 2.1 | | | | 2.1 | .4 | .2 | | .0 | .7 | 2405 |
| | 09-11 | .0 | 2.1 | | | | 2.1 | .2 | .3 | | .3 | .8 | 2563 |
| | 12-14 | .1 | 3.4 | | | .1 | 3.4 | .2 | .4 | | .5 | 1.2 | 2578 |
| | 15-17 | .1 | 3.8 | | | .0 | 3.9 | .1 | .2 | | .4 | .9 | 2499 |
| | 18-20 | .1 | 2.7 | | | | 2.7 | .0 | | | .2 | .3 | 2239 |
| | 21-23 | | 2.5 | | | | 2.5 | .1 | | | .1 | .2 | 1822 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .0 | 2.8 | | | .0 | 2.8 | .2 | .1 | | .3 | .6 | 17688 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-45, 47-74 MAR
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAR | 00-02 | .1 | 2.5 | | | | 2.5 | .1 | | | .3 | .4 | 1863 |
| | 03-05 | | 2.4 | | | | 2.4 | .2 | | | .1 | .3 | 2163 |
| | 06-08 | | 2.7 | | | | 2.7 | .2 | .4 | | .2 | .8 | 2715 |
| | 09-11 | | 2.3 | | | .0 | 2.4 | .1 | .2 | | .5 | .9 | 2914 |
| | 12-14 | .1 | 2.6 | | | | 2.6 | .0 | .1 | | .7 | .8 | 2927 |
| | 15-17 | .1 | 2.6 | | | | 2.6 | | | | .9 | .9 | 2843 |
| | 18-20 | .2 | 2.7 | | | | 2.7 | | | | .5 | .5 | 2549 |
| | 21-23 | | 2.4 | | | | 2.4 | | .0 | | .2 | .2 | 2151 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 2.5 | | | .0 | 2.5 | .1 | .1 | | .4 | .6 | 20125 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

APR

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBS1 TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| APR | 00-02 | .2 | 1.4 | | | | 1.4 | | | | | | 1899 |
| | 03-05 | | 1.1 | | | | 1.1 | | .0 | | .2 | .2 | 2184 |
| | 06-08 | .1 | 1.4 | | | | 1.4 | .0 | .3 | | .2 | .5 | 2714 |
| | 09-11 | .0 | 1.5 | | | | 1.5 | .0 | .3 | | .4 | .7 | 2892 |
| | 12-14 | .1 | 1.2 | | | | 1.2 | .0 | .2 | | 1.1 | 1.3 | 2905 |
| | 15-17 | .1 | 1.1 | | | | 1.1 | | .1 | | 1.5 | 1.5 | 2816 |
| | 18-20 | .2 | 1.0 | | | | 1.0 | | .1 | | 1.0 | 1.0 | 2576 |
| | 21-23 | .3 | 1.2 | | | | 1.2 | | | | .1 | .1 | 2107 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 1.2 | | | | 1.2 | .0 | .1 | | .6 | .7 | 20173 |

DATA PROCESSING BRANCH
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WEATHER CONDITIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

MAY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| MAY | 00-02 | .0 | .4 | | | | .4 | | | | | | 2076 |
| | 03-05 | .0 | .3 | | | | .3 | | | | | | 2325 |
| | 06-08 | .0 | .4 | | | | .4 | | .2 | | | .2 | 2819 |
| | 09-11 | .0 | .2 | | | | .2 | | .2 | | .2 | .4 | 2987 |
| | 12-14 | .1 | .4 | | | | .4 | | .2 | | .3 | .6 | 2990 |
| | 15-17 | .2 | .4 | | | .0 | .4 | | .1 | | .7 | .8 | 2903 |
| | 18-20 | .2 | .4 | | | | .4 | | | | .4 | .4 | 2679 |
| | 21-23 | .2 | .8 | | | | .8 | | | | .2 | .2 | 2360 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | .4 | | | .0 | .4 | | .1 | | .2 | .3 | 21139 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUN

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUN | 00-02 | .2 | .5 | | | | .5 | | | | | | 2017 |
| | 03-05 | | .2 | | | | .2 | | .1 | | .0 | .1 | 2252 |
| | 06-08 | .1 | .2 | | | | .2 | | .2 | | .1 | .3 | 2722 |
| | 09-11 | .2 | .4 | | | | .4 | | .1 | | .2 | .4 | 2887 |
| | 12-14 | .3 | .3 | | | | .3 | | .1 | | .2 | .3 | 2885 |
| | 15-17 | .4 | .6 | | | | .6 | | | .0 | .6 | .7 | 2804 |
| | 18-20 | .4 | .8 | | | | .8 | | .0 | | .5 | .6 | 2599 |
| | 21-23 | .4 | .5 | | | | .5 | | .0 | | .1 | .2 | 2377 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .3 | .4 | | | | .4 | | .1 | .0 | .2 | .3 | 20543 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| JUL | 00-02 | 2.3 | 3.2 | | | | 3.2 | | .1 | | .6 | .7 | 2079 |
| | 03-05 | .7 | 2.0 | | | | 2.0 | | .3 | | .1 | .4 | 2308 |
| | 06-08 | .3 | 1.4 | | | | 1.4 | .1 | .3 | | .1 | .5 | 2790 |
| | 09-11 | .1 | .7 | | | | .7 | | .0 | | .1 | .1 | 2942 |
| | 12-14 | .3 | .7 | | | | .7 | | | | .1 | .1 | 2952 |
| | 15-17 | 1.1 | 1.2 | | | | 1.2 | | | | .6 | .6 | 2854 |
| | 18-20 | 2.8 | 2.7 | | | | 2.7 | | .0 | | 2.8 | 2.9 | 2673 |
| | 21-23 | 3.5 | 4.4 | | | | 4.4 | | .0 | | 1.9 | 1.9 | 2423 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.4 | 2.0 | | | | 2.0 | .0 | .1 | | .8 | .9 | 21021 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

AUG

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| AUG | 00-02 | 2.3 | 3.0 | | | | 3.0 | .0 | .2 | | .2 | .4 | 2068 |
| | 03-05 | 1.2 | 2.4 | | | | 2.4 | | .1 | | .2 | .3 | 2336 |
| | 06-08 | .7 | 2.3 | | | | 2.3 | .1 | .2 | | .1 | .5 | 2879 |
| | 09-11 | .1 | 1.0 | | | | 1.0 | .2 | .2 | | | .3 | 3045 |
| | 12-14 | .4 | .8 | | | | .8 | | .1 | | .1 | .1 | 3032 |
| | 15-17 | 1.0 | 1.2 | | | | 1.2 | | .0 | | .9 | 1.0 | 2939 |
| | 18-20 | 3.1 | 2.7 | | | | 2.7 | .1 | | | 2.8 | 2.9 | 2769 |
| | 21-23 | 3.2 | 4.6 | | | | 4.6 | .2 | | | 1.3 | 1.5 | 2438 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | 1.5 | 2.3 | | | | 2.3 | .1 | .1 | | .7 | .9 | 21506 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | PAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| SEP | 00-02 | .5 | 1.4 | | | | 1.4 | | | | .1 | .1 | 1973 |
| | 03-05 | .3 | 1.0 | | | | 1.0 | .1 | | | | .1 | 2225 |
| | 06-08 | .3 | 1.3 | | | | 1.3 | .3 | .0 | | | .3 | 2708 |
| | 09-11 | .3 | 1.0 | | | | 1.0 | .0 | .0 | | .1 | .2 | 2892 |
| | 12-14 | .4 | 1.2 | | | | 1.2 | .0 | .1 | | .2 | .3 | 2902 |
| | 15-17 | 1.2 | 1.5 | | | | 1.5 | | .1 | | 1.0 | 1.1 | 2811 |
| | 18-20 | .9 | 1.6 | | | | 1.6 | | .0 | | .8 | .8 | 2609 |
| | 21-23 | .8 | 1.3 | | | | 1.3 | | | | .4 | .4 | 2262 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .6 | 1.3 | | | | 1.3 | .1 | .0 | | .3 | .4 | 20382 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 OCT
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|------------------------|
| OCT | 00-02 | .4 | 2.4 | | | .1 | 2.4 | .1 | | | | .1 | 1962 |
| | 03-05 | .4 | 2.6 | | | | 2.6 | | | | | | 2254 |
| | 06-08 | .1 | 2.5 | | | | 2.5 | .4 | | | .1 | .5 | 2819 |
| | 09-11 | .1 | 2.4 | | | | 2.4 | .4 | .3 | | .4 | 1.0 | 3013 |
| | 12-14 | .1 | 1.3 | | | | 1.3 | .1 | .1 | | .7 | .9 | 3012 |
| | 15-17 | .7 | 1.8 | | | | 1.8 | .1 | | | .5 | .6 | 2921 |
| | 18-20 | .8 | 1.6 | | | | 1.6 | | | | .5 | .5 | 2661 |
| | 21-23 | .3 | 1.5 | | | | 1.5 | | | | .0 | .0 | 2262 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .4 | 2.0 | | | .0 | 2.0 | .1 | .1 | | .3 | .5 | 20904 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 NOV
STATION STATION NAME YEARS MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (L.S.T.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-------------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| NOV | 00-02 | .1 | 1.6 | | | | 1.6 | .3 | .1 | | .2 | .5 | 1889 |
| | 03-05 | | 1.5 | | | | 1.5 | .5 | | | | .5 | 2168 |
| | 06-08 | .1 | 1.9 | | | | 1.9 | .7 | .4 | | .0 | 1.1 | 2698 |
| | 09-11 | .1 | 1.8 | | | | 1.8 | .6 | 1.0 | | .1 | 1.7 | 2864 |
| | 12-14 | .0 | 2.0 | | | | 2.0 | .2 | 1.3 | | .3 | 1.8 | 2885 |
| | 15-17 | .1 | 1.9 | | | | 1.9 | .2 | .6 | | .4 | 1.2 | 2793 |
| | 18-20 | .2 | 1.8 | | | | 1.8 | | .2 | | .1 | .4 | 2516 |
| | 21-23 | | 1.6 | | | | 1.6 | .3 | .1 | | .1 | .6 | 2117 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 1.8 | | | | 1.8 | .4 | .5 | | .2 | 1.0 | 19930 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

WEATHER CONDITIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

DEC

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

| MONTH | HOURS (LST.) | THUNDER- STORMS | RAIN AND/OR DRIZZLE | FREEZING RAIN & /OR DRIZZLE | SNOW AND/OR SLEET | HAIL | % OF OBS WITH PRECIP. | FOG | SMOKE AND/OR HAZE | BLOWING SNOW | DUST AND/OR SAND | % OF OBS WITH OBST TO VISION | TOTAL NO. OF OBS. |
|--------|-----------------|--------------------|---------------------------|-----------------------------------|-------------------------|------|-----------------------------|-----|-------------------------|-----------------|------------------------|------------------------------------|-------------------------|
| DEC | 00-02 | .1 | 1.4 | | | | 1.4 | .5 | .1 | | | .6 | 1952 |
| | 03-05 | | 2.3 | | | | 2.3 | .6 | .0 | | | .6 | 2174 |
| | 06-08 | .1 | 3.3 | | .0 | .0 | 3.3 | 1.3 | .4 | | .0 | 1.7 | 2695 |
| | 09-11 | .0 | 3.3 | | .0 | | 3.3 | .9 | 1.0 | | .1 | 2.0 | 2926 |
| | 12-14 | .1 | 3.1 | | | | 3.1 | .4 | 1.2 | | .2 | 1.7 | 2931 |
| | 15-17 | .1 | 3.8 | | | | 3.8 | .1 | 1.0 | | .1 | 1.2 | 2812 |
| | 18-20 | .1 | 2.5 | | | .0 | 2.5 | .2 | .9 | | .0 | 1.1 | 2407 |
| | 21-23 | .0 | 1.6 | | | | 1.6 | .4 | .4 | | | .8 | 2091 |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| TOTALS | | .1 | 2.7 | | .0 | .0 | 2.7 | .6 | .6 | | .1 | 1.2 | 19988 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VREL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

ALL
MONTH

ALL WEATHER
CLIM

ALL
MOSES (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .6 | .3 | .1 | .0 | .0 | .0 | | | | | 1.9 | 5.1 |
| NNE | .5 | .4 | .3 | .1 | .0 | .0 | .0 | | | | | 1.2 | 5.9 |
| NE | .7 | .6 | .3 | .1 | .0 | .0 | .0 | | | | | 1.7 | 5.7 |
| ENE | .8 | .8 | .4 | .1 | .0 | .0 | .0 | | | | | 2.2 | 5.1 |
| E | 2.4 | 3.2 | 1.5 | .3 | .1 | .0 | .0 | .0 | | .0 | | 7.5 | 5.3 |
| ESE | 2.7 | 4.3 | 2.8 | .5 | .1 | .0 | .0 | .0 | | | | 10.4 | 5.7 |
| SE | 2.7 | 4.2 | 3.3 | .5 | .1 | .0 | .0 | .0 | | | | 10.8 | 5.9 |
| SSE | 1.2 | 1.5 | 1.1 | .2 | .0 | .0 | .0 | .0 | .0 | | | 4.1 | 5.7 |
| S | 1.1 | 1.1 | .7 | .2 | .0 | .0 | .0 | | .0 | | | 3.2 | 5.7 |
| SSW | .7 | .8 | .8 | .3 | .1 | .0 | .0 | | .0 | | | 2.7 | 6.8 |
| SW | 1.0 | 1.2 | 1.1 | .4 | .1 | .0 | | | | | | 3.9 | 6.4 |
| WSW | .9 | 1.4 | 1.1 | .3 | .1 | .0 | .0 | | | | | 3.8 | 6.4 |
| W | 1.7 | 3.0 | 2.2 | .5 | .1 | .0 | | | | | | 7.5 | 6.1 |
| WNW | 1.4 | 2.3 | 2.1 | .4 | .0 | .0 | .0 | | | | | 6.2 | 6.2 |
| NW | 1.5 | 1.9 | 1.5 | .2 | .0 | .0 | .0 | | | | | 5.1 | 5.7 |
| NNW | .8 | 1.0 | .6 | .1 | .0 | .0 | .0 | | | | | 2.5 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.3 | |
| | 21.0 | 28.4 | 19.9 | 4.5 | .7 | .2 | .0 | .0 | .0 | .0 | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS

243346

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) D.R. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .6 | .4 | .2 | .0 | .0 | | | | | | 1.8 | 5.5 |
| NNE | .5 | .5 | .2 | .2 | .0 | | | | | | | 1.4 | 5.7 |
| NE | .8 | .7 | .4 | .2 | .0 | | | | | | | 2.0 | 5.6 |
| ENE | 1.2 | 1.0 | .4 | .1 | | | | | | | | 2.6 | 4.5 |
| E | 3.0 | 3.9 | 1.5 | .3 | .1 | .0 | .0 | | | | | 8.9 | 5.2 |
| ESE | 4.0 | 4.9 | 2.8 | .3 | .0 | .0 | | | | | | 12.0 | 5.2 |
| SE | 3.2 | 3.8 | 2.3 | .3 | .0 | | | | | | | 9.7 | 5.2 |
| SSE | 1.4 | 1.2 | .6 | .1 | .0 | | | | | | | 3.3 | 4.9 |
| S | 1.1 | .9 | .5 | .2 | .0 | .0 | | | | | | 2.7 | 5.4 |
| SSW | .8 | .8 | .8 | .3 | .0 | .0 | | | | | | 2.6 | 6.4 |
| SW | 1.0 | .9 | .6 | .3 | .1 | .0 | | | | | | 3.0 | 6.2 |
| WSW | .9 | 1.0 | .7 | .3 | .1 | .0 | | | | | | 2.9 | 6.0 |
| W | 1.9 | 2.5 | 1.2 | .6 | .1 | .0 | | | | | | 6.3 | 5.7 |
| WNW | 1.6 | 1.8 | 1.0 | .3 | .1 | .0 | .0 | | | | | 4.8 | 5.8 |
| NW | 1.2 | 1.2 | .7 | .2 | .1 | .0 | .0 | | | | | 3.4 | 5.5 |
| NNW | .7 | .7 | .3 | .1 | .0 | .0 | | | | | | 1.9 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.6 | |
| | 24.0 | 26.3 | 14.4 | 3.9 | .7 | .1 | .0 | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 17688

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | .8 | .4 | .1 | .0 | .0 | .0 | | | | | 2.7 | 4.8 |
| NNE | .6 | .3 | .4 | .2 | .0 | | | | | | | 1.4 | 5.9 |
| NE | 1.0 | .6 | .4 | .1 | .0 | | | | | | | 2.1 | 4.7 |
| ENE | .7 | .7 | .3 | .0 | .0 | .0 | | | | | | 1.8 | 4.7 |
| E | 2.5 | 3.5 | 1.2 | .2 | .0 | | | | | | | 7.5 | 4.9 |
| ESE | 2.5 | 4.6 | 2.4 | .2 | .0 | .0 | | | | | | 9.8 | 5.4 |
| SE | 2.7 | 4.4 | 3.1 | .4 | .1 | .0 | | | | | | 10.6 | 5.7 |
| SSE | 1.1 | 1.4 | .9 | .2 | .0 | .0 | | | | | | 3.6 | 5.6 |
| S | 1.3 | 1.2 | .8 | .3 | .1 | .0 | | | | | | 3.8 | 6.1 |
| SSW | .8 | .9 | .9 | .5 | .1 | .0 | | | | | | 3.2 | 7.3 |
| SW | 1.4 | 1.5 | 1.5 | .5 | .1 | .0 | | | | | | 5.0 | 6.6 |
| WSW | .9 | 1.5 | 1.3 | .5 | .1 | .0 | .0 | | | | | 4.3 | 6.9 |
| W | 1.8 | 2.8 | 2.4 | .7 | .2 | .1 | | | | | | 8.1 | 6.7 |
| WNW | 1.2 | 2.1 | 1.7 | .3 | .1 | .0 | | | | | | 5.4 | 6.3 |
| NW | 1.7 | 1.8 | 1.0 | .2 | .1 | .0 | | | | | | 4.8 | 5.3 |
| NNW | .8 | 1.0 | .5 | .1 | | | .0 | | | | | 2.4 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.5 | |
| | 22.3 | 29.2 | 19.1 | 4.7 | 1.0 | .2 | .0 | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS

20124

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .8 | .4 | .1 | .0 | | | | | | | 2.1 | 4.8 |
| NNE | .4 | .3 | .2 | .1 | .0 | .0 | | | | | | 1.1 | 5.7 |
| NE | .5 | .4 | .3 | .1 | .0 | .0 | | | | | | 1.3 | 5.9 |
| ENE | .5 | .7 | .3 | .1 | .0 | | | | | | | 1.6 | 5.4 |
| E | 1.6 | 2.5 | 1.4 | .2 | .0 | | | | | | | 5.7 | 5.3 |
| ESE | 2.0 | 3.7 | 2.6 | .3 | .0 | | | | | | | 8.7 | 5.7 |
| SE | 2.7 | 4.9 | 3.9 | .6 | .0 | .0 | .0 | | | | | 12.0 | 6.0 |
| SSE | 1.2 | 1.6 | 1.1 | .2 | .0 | .0 | | | .0 | | | 4.1 | 5.6 |
| S | 1.1 | 1.2 | 1.0 | .4 | .1 | .0 | | | | | | 3.7 | 6.3 |
| SSW | .7 | 1.3 | 1.4 | .6 | .2 | .0 | .0 | | | | | 4.1 | 7.6 |
| SW | 1.1 | 1.7 | 2.1 | .8 | .2 | .1 | | | | | | 6.0 | 7.6 |
| WSW | .9 | 1.8 | 2.2 | .9 | .2 | .0 | | | | | | 5.9 | 7.7 |
| W | 1.4 | 2.9 | 3.4 | 1.1 | .2 | .0 | | | | | | 9.1 | 7.3 |
| WNW | 1.1 | 2.5 | 2.6 | .6 | .1 | .0 | .0 | | | | | 7.0 | 6.8 |
| NW | 1.3 | 2.3 | 1.7 | .3 | .1 | .0 | .0 | | | | | 5.7 | 6.1 |
| NNW | 1.1 | 1.3 | .6 | .1 | .0 | .0 | | | | | | 3.1 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.8 | |
| | 18.3 | 29.9 | 25.2 | 6.5 | 1.0 | .2 | .0 | | .0 | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 25177

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DAY
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .7 | .3 | .1 | .0 | | | | | | | 1.8 | 4.6 |
| NNE | .3 | .3 | .1 | .1 | .0 | | | | | | | .8 | 5.9 |
| NE | .4 | .3 | .1 | .1 | | | | | | | | .9 | 4.9 |
| ENE | .4 | .4 | .3 | .1 | | .0 | | | | | | 1.2 | 5.5 |
| E | 1.6 | 2.5 | 1.5 | .3 | .0 | | | | | | | 5.8 | 5.6 |
| ESE | 1.8 | 3.7 | 3.3 | .5 | .0 | | | | | | | 9.4 | 6.1 |
| SE | 2.1 | 4.2 | 4.2 | .4 | .0 | .0 | | | | | | 11.0 | 6.2 |
| SSE | 1.2 | 1.7 | 1.2 | .2 | .0 | | | | | | | 4.2 | 5.6 |
| S | 1.1 | 1.5 | 1.0 | .3 | .0 | .0 | .0 | | | | | 4.0 | 5.8 |
| SSW | .8 | 1.3 | 1.4 | .6 | .1 | .0 | | | .0 | | | 4.1 | 7.4 |
| SW | 1.2 | 2.0 | 2.4 | .9 | .1 | .0 | | | | | | 6.6 | 7.3 |
| WSW | .8 | 1.9 | 2.2 | 1.0 | .1 | .0 | | | | | | 6.0 | 7.5 |
| W | 1.4 | 3.2 | 3.4 | .9 | .1 | .0 | | | | | | 8.0 | 7.0 |
| WNW | 1.2 | 2.7 | 2.6 | .6 | .0 | .0 | | | | | | 7.1 | 6.6 |
| NW | 1.5 | 2.4 | 2.2 | .2 | .0 | | | | | | | 6.3 | 5.9 |
| NNW | 1.0 | 1.4 | .8 | .2 | .0 | | | | | | | 3.4 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.3 | |
| | 17.5 | 30.1 | 27.1 | 6.3 | .7 | .1 | .0 | | .0 | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS

21137

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | .6 | .3 | .1 | .0 | | | | | | | 1.7 | 5.0 |
| NNE | .3 | .3 | .2 | .0 | .0 | | | | | | | .7 | 5.5 |
| NE | .2 | .2 | .1 | .1 | .0 | | | | | | | .7 | 5.6 |
| ENE | .5 | .6 | .2 | .0 | .0 | .0 | | | | | | 1.3 | 4.8 |
| E | 1.4 | 2.5 | 1.3 | .2 | .0 | .0 | .0 | | | | | 5.4 | 5.5 |
| ESE | 1.6 | 3.9 | 3.1 | .4 | .0 | .0 | | | | | | 9.1 | 6.1 |
| SE | 1.8 | 3.9 | 3.9 | .6 | .0 | .0 | | | | | | 10.3 | 6.3 |
| SSE | 1.1 | 1.7 | 1.3 | .2 | .0 | .0 | | | | | | 4.3 | 5.8 |
| S | .9 | 1.3 | .9 | .3 | .1 | .0 | | | | | | 3.5 | 6.3 |
| SSW | .7 | 1.0 | 1.3 | .6 | .2 | .0 | | | | | | 3.8 | 7.8 |
| SW | .9 | 1.6 | 1.9 | .9 | .2 | .0 | | | | | | 5.5 | 7.6 |
| WSW | .8 | 1.9 | 1.9 | .0 | .1 | .0 | | | | | | 5.4 | 7.2 |
| W | 1.3 | 3.4 | 3.8 | .7 | .0 | .0 | | | | | | 9.2 | 6.3 |
| WNW | 1.0 | 3.0 | 3.6 | .8 | .0 | | | | | | | 8.5 | 7.0 |
| NW | 1.4 | 2.9 | 2.7 | .4 | .0 | | | | | | | 7.5 | 6.3 |
| NNW | 1.0 | 1.6 | 1.1 | .1 | .0 | | | | | | | 3.9 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.2 | |
| | 15.7 | 30.4 | 27.8 | 6.0 | .8 | .1 | .0 | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 20541

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | .6 | .5 | .2 | .0 | .0 | .0 | | | | | 1.9 | 6.2 |
| NNE | .3 | .3 | .3 | .1 | .0 | .0 | .0 | | | | | 1.1 | 6.9 |
| NE | .5 | .5 | .3 | .2 | .0 | .0 | .0 | | | | | 1.5 | 6.8 |
| ENE | .5 | .5 | .3 | .1 | .0 | .0 | .0 | | | | | 1.5 | 6.2 |
| E | 1.4 | 2.1 | 1.3 | .3 | .1 | .0 | .0 | .0 | | | | 5.2 | 6.1 |
| ESE | 1.5 | 3.1 | 3.0 | .8 | .2 | .0 | .0 | .0 | | | | 8.6 | 6.9 |
| SE | 1.8 | 3.7 | 4.4 | 1.1 | .2 | .0 | .0 | .0 | | | | 11.2 | 7.0 |
| SSE | 1.0 | 1.8 | 1.7 | .4 | .1 | .0 | .0 | | | | | 5.1 | 6.7 |
| S | 1.0 | 1.4 | .9 | .2 | .0 | .0 | .0 | | | | | 3.5 | 5.9 |
| SSW | .5 | .9 | .5 | .2 | .0 | .0 | .0 | | | | | 2.2 | 6.3 |
| SW | .9 | 1.3 | .9 | .2 | .1 | .0 | | | | | | 3.3 | 5.9 |
| WSW | .8 | 1.8 | 1.2 | .1 | .0 | .0 | | | | | | 3.9 | 5.8 |
| W | 1.6 | 4.3 | 4.2 | .5 | .0 | .0 | | | | | | 10.7 | 6.4 |
| WNW | 1.3 | 3.5 | 4.7 | 1.0 | .0 | | | | | | | 10.5 | 7.0 |
| NW | 1.4 | 3.0 | 3.7 | .6 | .0 | | .0 | | | | | 8.8 | 6.7 |
| NNW | .8 | 1.2 | 1.1 | .2 | .0 | .0 | | | | | | 3.4 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.7 | |
| | 15.9 | 30.0 | 28.9 | 6.1 | 1.0 | .2 | .1 | .0 | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS

21018

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .8 | .4 | .2 | .1 | .0 | .0 | | | | | 2.1 | 5.8 |
| NNE | .4 | .3 | .3 | .2 | .0 | | | | | | | 1.2 | 6.4 |
| NE | .5 | .5 | .3 | .1 | .1 | .0 | .0 | | | | | 1.4 | 6.3 |
| ENE | .6 | .5 | .3 | .1 | .1 | .0 | | | | | | 1.6 | 5.9 |
| E | 1.6 | 2.5 | 1.4 | .3 | .1 | .0 | .0 | .0 | | .0 | | 5.9 | 5.8 |
| ESE | 1.8 | 3.6 | 2.5 | .5 | .1 | .0 | .0 | .0 | | | | 8.6 | 6.1 |
| SE | 2.1 | 4.7 | 4.0 | .8 | .1 | .1 | .0 | .0 | | | | 11.8 | 6.5 |
| SSE | 1.5 | 2.3 | 1.7 | .5 | .1 | .0 | .0 | .0 | | | | 6.1 | 6.2 |
| S | 1.2 | 1.4 | .8 | .1 | .1 | .0 | .0 | | | | | 3.7 | 5.5 |
| SSW | .7 | 1.0 | .6 | .2 | .0 | .0 | | | | | | 2.6 | 5.8 |
| SW | 1.1 | 1.5 | .8 | .2 | .0 | .0 | | | | | | 3.6 | 5.5 |
| WSW | .9 | 1.7 | 1.2 | .1 | .0 | | | | | | | 3.9 | 5.6 |
| W | 1.6 | 4.2 | 3.0 | .3 | .0 | | | | | | | 9.1 | 5.9 |
| WNW | 1.4 | 3.3 | 3.2 | .3 | .0 | | | | | | | 8.2 | 6.2 |
| NW | 1.6 | 2.8 | 2.1 | .2 | .0 | | | | | | | 6.7 | 5.7 |
| NNW | .8 | 1.1 | .7 | .1 | .0 | .0 | | | | | | 2.7 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.9 | |
| | 18.4 | 32.3 | 23.2 | 4.1 | .8 | .2 | .0 | .0 | | .0 | | 100.1 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 21502

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

SEP

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----------------------|
| N | .7 | .6 | .4 | .1 | .0 | .0 | .0 | | | | | 1.8 | 5.5 |
| NNE | .4 | .3 | .2 | .2 | .0 | .0 | .0 | | | | | 1.1 | 7.0 |
| NE | .6 | .5 | .4 | .2 | .0 | .0 | | | | | | 1.8 | 6.1 |
| ENE | .0 | .8 | .4 | .1 | .0 | | | | | | | 2.1 | 5.1 |
| E | 2.3 | 3.2 | 1.7 | .6 | .1 | .0 | | | | | | 7.9 | 5.7 |
| ESE | 2.6 | 4.0 | 3.1 | .8 | .2 | .0 | .0 | .0 | | | | 10.7 | 6.3 |
| SE | 2.9 | 4.9 | 4.0 | .8 | .1 | .0 | | | | | | 12.7 | 6.2 |
| SSE | 1.6 | 2.2 | 1.9 | .4 | .1 | .0 | | | | | | 6.2 | 6.1 |
| S | 1.2 | 1.3 | .9 | .2 | .0 | .0 | | | .0 | | | 3.6 | 5.6 |
| SSW | .7 | .7 | .6 | .2 | .1 | .0 | .0 | | | | | 2.3 | 6.4 |
| SW | .9 | 1.2 | .8 | .3 | .1 | | | | | | | 3.2 | 6.0 |
| WSW | .7 | 1.4 | .9 | .2 | .0 | .0 | | | | | | 3.2 | 5.7 |
| W | 1.7 | 3.4 | 1.9 | .1 | .0 | | | | | | | 7.1 | 5.4 |
| WNW | 1.3 | 2.3 | 2.0 | .1 | .0 | .0 | | | | | | 5.8 | 5.9 |
| NW | 1.5 | 2.1 | 1.3 | .1 | | | | | | | | 5.0 | 5.2 |
| NNW | .8 | 1.1 | .5 | .0 | .0 | | | | | | | 2.4 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.0 | |
| | 20.8 | 30.0 | 20.8 | 4.4 | .8 | .2 | .0 | .0 | .0 | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS

20380

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

UCT
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .6 | .2 | .1 | .0 | .0 | | | | | | 1.6 | 4.7 |
| NNE | .6 | .3 | .1 | .1 | .0 | | | | | | | 1.1 | 4.7 |
| NE | .6 | .6 | .3 | .1 | .0 | | | | | | | 1.6 | 5.2 |
| ENE | .9 | 1.1 | .6 | .1 | .0 | .0 | | | | | | 2.8 | 5.6 |
| E | 2.7 | 3.5 | 1.9 | .5 | .1 | .0 | | | | | | 8.7 | 5.5 |
| ESE | 3.0 | 4.7 | 3.4 | .9 | .1 | .0 | | | | | | 12.1 | 6.0 |
| SE | 3.5 | 4.7 | 3.3 | .6 | .1 | .0 | | | | | | 12.2 | 5.7 |
| SSE | 1.2 | 1.3 | 1.0 | .2 | .0 | | .0 | | | | | 3.8 | 5.5 |
| S | 1.2 | .9 | .6 | .1 | .0 | .0 | | | | | | 2.9 | 5.0 |
| SSW | .7 | .6 | .5 | .3 | .1 | .0 | .0 | | | | | 2.1 | 6.7 |
| SW | .9 | .9 | .6 | .2 | .0 | .0 | | | | | | 2.7 | 5.9 |
| WSW | .9 | 1.0 | .6 | .1 | .0 | .0 | | | | | | 2.6 | 5.3 |
| W | 2.1 | 2.8 | 1.2 | .2 | .0 | .0 | | | | | | 6.3 | 5.1 |
| WNW | 1.5 | 2.0 | 1.2 | .2 | .0 | .0 | | | | | | 4.9 | 5.4 |
| NW | 1.5 | 1.3 | .7 | .1 | .0 | | | | | | | 3.5 | 4.8 |
| NNW | .7 | .8 | .3 | .0 | .0 | | | | | | | 1.8 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 29.3 | |
| | 22.8 | 27.1 | 16.3 | 3.8 | .6 | .1 | .0 | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS 20902

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .6 | .2 | .1 | .0 | | | | | | | 1.8 | 4.5 |
| NNE | .6 | .4 | .3 | .2 | .0 | | | | | | | 1.5 | 6.1 |
| NE | .8 | .8 | .5 | .2 | .0 | | | | | | | 2.3 | 5.6 |
| ENE | 1.2 | 1.2 | .6 | .2 | .0 | | | | | | | 3.1 | 5.1 |
| E | 3.6 | 3.8 | 1.7 | .5 | .1 | .0 | | | | | | 9.6 | 5.2 |
| ESE | 4.1 | 4.9 | 2.3 | .4 | .1 | .0 | | | | | | 11.8 | 5.1 |
| SE | 3.6 | 3.6 | 2.2 | .3 | .0 | | | | | | | 9.6 | 5.0 |
| SSE | 1.2 | 1.2 | .6 | .2 | .0 | .0 | | | | | | 3.2 | 4.9 |
| S | 1.1 | .8 | .4 | .1 | .1 | .0 | | | | | | 2.4 | 5.1 |
| SSW | .6 | .6 | .4 | .2 | .0 | .0 | | | | | | 1.9 | 6.1 |
| SW | 1.2 | .8 | .5 | .1 | .0 | | | | | | | 2.5 | 4.8 |
| WSW | 1.0 | .8 | .4 | .1 | .0 | | | | | | | 2.3 | 4.8 |
| W | 2.2 | 2.3 | .8 | .1 | | | | | | | | 5.4 | 4.5 |
| WNW | 1.6 | 1.6 | .6 | .1 | .0 | .0 | | | | | | 4.0 | 4.7 |
| NW | 1.5 | 1.2 | .5 | .1 | .0 | .0 | | | | | | 3.3 | 4.6 |
| NNW | .9 | .6 | .4 | .1 | | .0 | | | | | | 1.9 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 33.3 | |
| | 26.0 | 25.1 | 12.3 | 2.8 | .4 | .1 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 19928

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEAR

DEC
MONTH

ALL WEATHER
CLASS

ALL
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .5 | .3 | .1 | | | | | | | | 1.6 | 4.4 |
| NNE | .5 | .5 | .3 | .1 | .0 | | | | | | | 1.3 | 5.5 |
| NE | 1.0 | .9 | .6 | .2 | .0 | | | | | | | 2.7 | 5.4 |
| ENE | 1.3 | 1.2 | .5 | .1 | .0 | | | | | | | 3.2 | 4.8 |
| E | 3.8 | 4.1 | 1.5 | .2 | .0 | .0 | | | | | | 9.7 | 4.6 |
| ESE | 3.8 | 5.3 | 2.5 | .3 | .0 | .0 | | | | | | 11.9 | 5.1 |
| SE | 3.3 | 3.8 | 1.9 | .2 | .0 | .0 | | | | | | 9.2 | 4.9 |
| SSE | 1.3 | 1.0 | .5 | .1 | .0 | .0 | | | | | | 2.8 | 4.8 |
| S | .9 | .7 | .4 | .2 | .1 | .0 | | | | | | 2.3 | 5.5 |
| S. / | .7 | .6 | .4 | .2 | .1 | .0 | | | | | | 1.9 | 5.8 |
| SW | 1.1 | .7 | .4 | .1 | .0 | | | | | | | 2.2 | 4.5 |
| WSW | .9 | .8 | .3 | .1 | .0 | .0 | | | | | | 2.1 | 4.6 |
| W | 2.1 | 1.7 | .7 | .2 | .0 | .0 | | | | | | 4.7 | 4.7 |
| WNW | 1.5 | 1.3 | .6 | .1 | .0 | .0 | .0 | | | | | 3.5 | 4.9 |
| NW | 1.3 | .9 | .4 | .1 | .0 | | | | | | | 2.7 | 4.5 |
| NNW | .7 | .5 | .2 | .1 | | | | | | | | 1.5 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 36.7 | |
| | 24.9 | 24.4 | 11.2 | 2.3 | .4 | .1 | .0 | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 1994

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-61,64-65,73
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .3 | .3 | .1 | | | | | | | | 1.1 | 5.1 |
| NNE | .4 | .2 | .2 | .1 | | | | | | | | .8 | 4.6 |
| NE | 1.0 | .4 | .4 | .2 | .2 | | | | | | | 2.2 | 6.7 |
| ENE | 2.2 | 1.6 | .4 | | .1 | | | | | | | 4.2 | 4.1 |
| E | 4.6 | 7.1 | 1.5 | .1 | .1 | | | | | | | 13.3 | 4.6 |
| ESE | 7.5 | 10.8 | 3.9 | .2 | | | | | | | | 22.5 | 4.7 |
| SE | 5.6 | 6.4 | 2.8 | .3 | .1 | | | | | | | 15.1 | 4.8 |
| SSE | 1.1 | 1.2 | .5 | .2 | | | | | | | | 3.0 | 5.5 |
| S | .8 | .1 | | .1 | .1 | | | | | | | 1.1 | 4.2 |
| SSW | .2 | .1 | .1 | .1 | | | | | | | | .4 | 6.3 |
| SW | .6 | .3 | .4 | | | | | | | | | 1.3 | 4.9 |
| WSW | .3 | .1 | .2 | .2 | | | | | | | | .7 | 7.2 |
| W | .2 | .3 | .1 | .1 | | .1 | | | | | | .7 | 6.8 |
| WNW | .3 | .1 | .2 | .2 | | .1 | | | | | | .7 | 7.0 |
| NW | .4 | .3 | .1 | .1 | | .1 | | | | | | .9 | 5.6 |
| NNW | .2 | .3 | .1 | | | | | | | | | .5 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.6 | |
| | 25.7 | 29.6 | 11.0 | 1.6 | .4 | .1 | | | | | | 100.0 | 3.3 |

TOTAL NUMBER OF OBSERVATIONS

1888

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER 43-74 YEARS JAN MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .7 | .1 | | | | | | | | | 1.2 | 4.6 |
| NNE | .4 | .3 | .1 | | | | | | | | | .8 | 4.2 |
| NE | .9 | .8 | .5 | .3 | .0 | .0 | .0 | | | | | 2.7 | 6.7 |
| ENE | 2.0 | 1.8 | .3 | .0 | | | | | | | | 4.1 | 4.0 |
| E | 5.4 | 2.7 | 2.4 | | | | | | | | | 17.6 | 4.6 |
| ESE | 7.0 | 10.9 | 4.4 | .3 | | | | | | | | 22.5 | 4.9 |
| SE | 4.9 | 5.6 | 2.7 | .2 | | .0 | | | | | | 13.5 | 4.8 |
| SSE | 1.0 | .9 | .4 | .2 | | | | | | | | 2.4 | 5.0 |
| S | 1.1 | .5 | .1 | .0 | | | | | | | | 1.8 | 3.8 |
| SSW | .2 | .4 | .1 | .1 | | | | | | | | .8 | 6.1 |
| SW | .3 | .6 | .3 | | | | | | | | | 1.2 | 5.3 |
| WSW | .2 | .3 | .3 | | | | | | | | | .8 | 5.8 |
| W | .3 | .1 | .2 | | | | | | | | | .6 | 4.6 |
| WNW | .3 | .1 | .2 | | | | | | | | | .6 | 5.5 |
| NW | .4 | .2 | .2 | | | | | | | | | .8 | 4.3 |
| NNW | .1 | .2 | .0 | | | | | | | | | .4 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.2 | |
| | 25.0 | 33.0 | 12.3 | 1.2 | .0 | .1 | .0 | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 2174

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | .2 | .1 | .1 | | | | | | | | .6 | 5.9 |
| NNE | .7 | .4 | .3 | .0 | | | | | | | | 1.3 | 4.7 |
| NE | 1.1 | .9 | .3 | .1 | .1 | .0 | | | | | | 2.5 | 5.3 |
| ENE | 1.9 | 2.3 | .7 | .0 | | | | | | | | 5.0 | 4.5 |
| E | 6.4 | 10.0 | 1.8 | .0 | | | | | | | | 18.3 | 4.3 |
| ESE | 7.7 | 10.6 | 4.1 | .2 | | | | | | | | 22.6 | 4.7 |
| SE | 5.5 | 4.9 | 2.5 | .1 | .1 | | .0 | | | | | 13.1 | 4.9 |
| SSE | 1.4 | .8 | .4 | .0 | | | | | | | | 2.7 | 4.2 |
| S | .9 | .5 | .3 | .1 | | | | | | | | 1.7 | 4.5 |
| SSW | .3 | .6 | .3 | .1 | .0 | .0 | | | | | | 1.3 | 6.1 |
| SW | .4 | .7 | .2 | .1 | | | | | | | | 1.4 | 5.5 |
| WSW | .2 | .2 | .2 | | | | | | | | | .6 | 5.2 |
| W | .3 | .1 | .2 | .0 | | | | | | | | .6 | 5.2 |
| WNW | .4 | .3 | .2 | | | | | | | | | .9 | 4.3 |
| NW | .2 | .1 | .1 | .1 | | | | | | | | .5 | 5.8 |
| NNW | .3 | .1 | .1 | | | | | | | | | .6 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.4 | |
| | 27.9 | 32.6 | 11.8 | 1.0 | .2 | .1 | .0 | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS

2708

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .2 | .2 | | | .0 | | | | | | 1.1 | 4.6 |
| NNE | .3 | .2 | .3 | .3 | | | | | | | | 1.4 | 6.6 |
| NE | 1.2 | .5 | .3 | .6 | .2 | .1 | | | | | | 2.9 | 7.2 |
| ENE | 1.2 | .7 | .6 | .1 | | | | | | | | 2.6 | 4.9 |
| E | 4.0 | 2.6 | 1.1 | .1 | .1 | | | | | | | 7.9 | 4.3 |
| ESE | 3.8 | 4.3 | 1.9 | .3 | .1 | | | | | | | 10.4 | 5.0 |
| SE | 4.3 | 5.1 | 3.1 | .7 | .0 | | | | | | | 13.3 | 5.4 |
| SSE | 2.1 | 1.5 | .5 | .1 | | | | | | | | 4.2 | 4.4 |
| S | 2.1 | 1.1 | .3 | .1 | | | | | | | | 3.5 | 4.0 |
| SSW | 1.0 | .8 | .7 | .3 | | .0 | | | | | | 2.8 | 5.9 |
| SW | 1.6 | .9 | .7 | .3 | | | | | | | | 3.4 | 5.1 |
| WSW | 1.1 | .7 | .4 | .1 | .0 | | | | | | | 2.4 | 5.0 |
| W | 1.3 | .9 | .3 | .1 | | | | | | | | 2.6 | 4.3 |
| WNW | 1.1 | .6 | .1 | .1 | | | | | | | | 2.0 | 4.4 |
| NW | .6 | .2 | .2 | .1 | | | | | | | | 1.2 | 5.3 |
| NNW | .3 | .3 | .1 | | | | | | | | | .7 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 37.5 | |
| | 26.8 | 20.7 | 11.0 | 3.4 | .4 | .1 | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS

2274

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER 43-74 YEARS JAN MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | .7 | .5 | .3 | | | | | | | | 2.6 | 5.3 |
| NNE | .9 | 1.0 | .3 | .3 | .1 | | | | | | | 2.7 | 6.1 |
| NE | 1.1 | .8 | .7 | .2 | | .0 | | | | | | 2.8 | 5.8 |
| ENE | .8 | .6 | .5 | .4 | .0 | | | | | | | 2.3 | 6.4 |
| E | 1.2 | 1.1 | 1.0 | .7 | .2 | .0 | | | | | | 4.2 | 7.1 |
| ESE | .9 | .9 | .6 | .4 | | .0 | | | | | | 2.8 | 6.4 |
| SE | 1.4 | 1.5 | 1.1 | .3 | .0 | | | | | | | 4.2 | 5.7 |
| SSE | 1.2 | 1.0 | .5 | .1 | | | | | | | | 3.1 | 5.0 |
| S | .9 | 1.0 | .9 | .1 | | | | | | | | 2.9 | 5.6 |
| SSW | 1.2 | 1.2 | .6 | .3 | | | | | | | | 3.3 | 5.3 |
| SW | 2.3 | 1.3 | .8 | .3 | .1 | | | | | | | 4.8 | 5.0 |
| WSW | 2.7 | 1.7 | 1.1 | .3 | .0 | | | | | | | 5.9 | 5.0 |
| W | 3.9 | 3.1 | 1.3 | .5 | | | | | | | | 8.8 | 4.8 |
| WNW | 2.6 | 2.3 | .9 | .3 | .1 | .0 | | | | | | 6.2 | 5.1 |
| NW | 2.4 | 1.4 | .7 | .2 | .0 | | | | | | | 4.7 | 4.7 |
| NNW | 1.0 | .7 | .6 | .1 | | .0 | | | | | | 2.4 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 36.3 | |
| | 25.6 | 20.1 | 12.4 | 4.8 | .6 | .2 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 2884

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 5 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----------------------|
| N | 1.2 | 1.0 | .8 | .4 | | | | | | | | 3.3 | 5.7 |
| NNE | .9 | .5 | .5 | .3 | .0 | | | | | | | 2.4 | 6.0 |
| NE | .9 | .9 | .4 | .4 | .1 | | | | | | | 2.6 | 6.2 |
| ENE | .4 | .6 | .4 | .3 | | | | | | | | 1.6 | 6.5 |
| E | .9 | 1.0 | 1.4 | .4 | | | | | | | | 3.7 | 6.6 |
| ESE | .7 | .7 | .9 | .4 | .1 | | | | | | | 2.8 | 7.2 |
| SE | .8 | 1.0 | .7 | .3 | | | | | | | | 2.8 | 5.7 |
| SSE | .4 | .6 | .3 | | | | | | | | | 1.3 | 5.0 |
| S | .8 | .7 | .6 | .1 | | | | | | | | 2.2 | 5.4 |
| SSW | 1.0 | .5 | .5 | .3 | .1 | | | | | | | 2.4 | 6.1 |
| SW | 1.4 | 1.2 | .6 | .2 | .0 | | | | | | | 3.4 | 5.3 |
| WSW | 2.5 | 2.1 | .7 | .2 | | | | | | | | 5.5 | 4.6 |
| W | 5.6 | 5.4 | 2.3 | .7 | .0 | | | | | | | 14.1 | 5.0 |
| WNW | 3.6 | 4.4 | 1.6 | .7 | .1 | | | | | | | 10.5 | 5.2 |
| NW | 3.3 | 2.5 | .9 | .5 | | | | | | | | 7.2 | 4.7 |
| NNW | 1.5 | 1.3 | .6 | .1 | | | | | | | | 3.5 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.6 | |
| | 25.9 | 24.5 | 13.3 | 5.1 | .5 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2797

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNOTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|--------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.1 | 1.4 | .5 | .2 | | | | | | | | 4.2 | 4.3 |
| NNE | 1.5 | .7 | .2 | .2 | | | | | | | | 2.6 | 4.4 |
| NE | 1.6 | 1.1 | .8 | .2 | | | | | | | | 3.7 | 5.0 |
| ENE | 2.1 | 2.1 | .7 | .2 | | | | | | | | 5.1 | 4.5 |
| E | 2.2 | 2.0 | .8 | .1 | | | | | | | | 6.1 | 4.2 |
| ESE | 2.3 | 1.4 | .6 | .2 | .0 | | | | | | | 4.5 | 4.5 |
| SE | 1.3 | .9 | .9 | .1 | .0 | | | | | | | 3.3 | 5.2 |
| SSE | .6 | .6 | .1 | | | | | | | | | 1.3 | 3.9 |
| S | .8 | .5 | .2 | .0 | | | | | | | | 1.5 | 4.5 |
| SSW | .8 | .3 | .4 | .2 | | .0 | | | | | | 1.7 | 6.4 |
| SW | .8 | .4 | .4 | .1 | .0 | | | | | | | 1.7 | 5.2 |
| WSW | 1.1 | 1.0 | .4 | .0 | .0 | | | | | | | 2.6 | 4.6 |
| W | 2.8 | 2.1 | .5 | .2 | | | | | | | | 5.5 | 4.2 |
| WNW | 2.5 | 1.6 | .4 | .2 | | | | | | | | 4.8 | 4.3 |
| NW | 2.4 | 1.3 | .3 | .1 | | | | | | | | 4.1 | 3.8 |
| NNW | 1.2 | .9 | .2 | .1 | | | | | | | | 2.4 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 45.0 | |
| | 27.2 | 18.2 | 7.3 | 2.1 | .2 | .0 | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS

2528

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74
STATION STATION NAME YEARS
ALL WEATHER
CLASS
2100-2300
HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----------------------|
| N | .6 | .3 | .1 | | | | | | | | | 1.0 | 3.9 |
| NNE | .7 | .4 | .3 | | | | | | | | | 1.4 | 4.6 |
| NE | 1.0 | 1.5 | 1.0 | .2 | | | | | | | | 3.7 | 5.7 |
| ENE | 2.1 | 2.0 | .5 | .4 | .0 | | | | | | | 5.1 | 5.0 |
| E | 6.5 | 5.7 | 1.0 | | | | | | | | | 13.1 | 3.9 |
| ESE | 6.5 | 6.3 | 1.4 | .1 | .1 | | | | | | | 14.5 | 4.2 |
| SE | 5.2 | 4.4 | 1.2 | .2 | | | | | | | | 10.9 | 4.2 |
| SSE | 1.3 | .7 | .2 | | | | | | | | | 2.1 | 3.7 |
| S | 1.0 | .3 | .4 | .2 | | | | | | | | 1.9 | 5.6 |
| SSW | .4 | .3 | .5 | .2 | .0 | | | | | | | 1.5 | 7.5 |
| SW | .4 | .7 | .4 | | .0 | | | | | | | 1.6 | 5.7 |
| WSW | .5 | .2 | .0 | .0 | .1 | | | | | | | 1.0 | 5.4 |
| W | .5 | .3 | .0 | .1 | | | | | | | | 1.0 | 4.4 |
| WNW | .6 | .4 | .4 | .1 | | | | | | | | 1.5 | 5.4 |
| NW | .4 | .3 | .3 | | | | | | | | | 1.0 | 5.1 |
| NNW | .4 | .0 | .1 | .0 | | | | | | | | .6 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 38.0 | |
| | 28.1 | 24.0 | 7.9 | 1.7 | .3 | | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS 2102

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-60,64-65,73
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .5 | .2 | .1 | | | | | | | | 1.1 | 5.6 |
| NNE | .3 | .3 | .1 | .1 | | | | | | | | .7 | 4.9 |
| NE | .5 | .5 | .3 | .2 | .1 | | | | | | | 1.6 | 6.5 |
| ENE | 1.0 | 1.0 | .4 | .1 | | | | | | | | 2.5 | 4.9 |
| E | 4.6 | 5.9 | 1.9 | .2 | .1 | | | | | | | 12.7 | 4.8 |
| ESE | 8.3 | 9.6 | 4.9 | .1 | | | | | | | | 22.8 | 4.8 |
| SE | 6.4 | 6.1 | 3.1 | .4 | | | | | | | | 16.0 | 4.8 |
| SSE | 1.7 | .9 | .8 | .1 | | | | | | | | 3.6 | 5.0 |
| S | .5 | .5 | .1 | .1 | | | | | | | | 1.3 | 5.0 |
| SSW | .7 | .5 | .7 | .1 | | | | | | | | 2.0 | 5.6 |
| SW | .5 | .4 | .5 | .2 | .1 | | | | | | | 1.7 | 7.1 |
| WSW | .3 | .1 | .2 | | | | | | | | | .6 | 5.0 |
| W | .4 | .3 | .2 | .3 | | | | | | | | 1.2 | 6.9 |
| WNW | .8 | .2 | .4 | | | | | | | | | 1.4 | 4.6 |
| NW | .5 | .3 | .2 | | | | | | | | | 1.0 | 4.5 |
| NNW | .5 | .2 | .2 | | | | | | | | | .9 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.7 | |
| | 27.3 | 27.5 | 14.3 | 2.0 | .2 | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 1660

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | .3 | .3 | .2 | | | | | | | | 1.5 | 5.8 |
| NNE | .3 | .3 | .1 | .1 | | | | | | | | .7 | 4.8 |
| NE | .7 | .4 | .5 | .1 | .1 | | | | | | | 1.7 | 5.8 |
| ENE | 1.1 | 1.5 | .4 | .1 | | | | | | | | 3.0 | 4.7 |
| E | 6.0 | 8.3 | 3.1 | .2 | .1 | | | | | | | 17.7 | 4.8 |
| ESE | 6.9 | 11.2 | 5.7 | .3 | | | | | | | | 24.1 | 5.1 |
| SE | 4.7 | 6.0 | 3.2 | .2 | | | | | | | | 14.0 | 5.0 |
| SEE | 1.2 | 1.2 | .4 | | | | | | | | | 2.8 | 4.3 |
| S | .8 | .5 | .3 | .1 | | | | | | | | 1.7 | 4.6 |
| SSW | .5 | .5 | .5 | .1 | | | | | | | | 1.5 | 5.6 |
| SW | .4 | .6 | .2 | .2 | | | | | | | | 1.4 | 5.5 |
| WSW | .3 | .4 | .2 | | | | | | | | | .9 | 4.8 |
| W | .4 | .3 | .4 | .3 | .1 | | | | | | | 1.4 | 7.5 |
| WNW | .2 | .4 | .2 | .1 | | | | | | | | .8 | 5.6 |
| NW | .3 | .4 | .2 | | | | | | | | | .8 | 4.9 |
| NNW | .3 | .6 | .4 | .1 | | | | | | | | 1.4 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.6 | |
| | 24.9 | 32.7 | 15.9 | 1.8 | .2 | | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 1922

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | .3 | .2 | | | | | | | | | .7 | 5.1 |
| NNE | .2 | .5 | .1 | .1 | .1 | | | | | | | 1.0 | 6.4 |
| NE | .9 | .4 | .2 | .1 | .0 | | | | | | | 1.6 | 4.6 |
| ENE | 1.6 | 1.6 | .3 | .0 | | | | | | | | 3.6 | 4.1 |
| E | 5.4 | 8.8 | 2.5 | .2 | | .0 | | | | | | 17.0 | 4.8 |
| ESE | 6.8 | 10.5 | 5.5 | .4 | .0 | .0 | | | | | | 23.2 | 5.2 |
| SE | 4.0 | 6.7 | 3.8 | .1 | | | | | | | | 14.6 | 5.2 |
| SSE | 1.8 | 1.6 | .2 | | | | | | | | | 3.6 | 3.9 |
| S | 1.0 | .7 | .2 | .0 | | | | | | | | 2.0 | 4.0 |
| SSW | .1 | .3 | .4 | .1 | | | | | | | | 1.0 | 7.1 |
| SW | .5 | .5 | .4 | .2 | | | | | | | | 1.5 | 6.0 |
| WSW | .2 | .3 | .3 | | | | | | | | | .9 | 5.2 |
| W | .3 | .5 | .3 | .5 | | | | | | | | 1.7 | 7.2 |
| WNW | | .3 | .2 | .0 | | | | | | | | .6 | 6.9 |
| NW | .3 | .2 | .1 | | | | | | | | | .5 | 3.9 |
| NNW | .2 | .3 | .1 | | | | | | | | | .6 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.9 | |
| | 23.6 | 33.7 | 14.8 | 1.7 | .2 | .1 | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS

2405

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .1 | .4 | .3 | .0 | | | | | | | 1.2 | 7.3 |
| NNE | .3 | .3 | .2 | .2 | | | | | | | | 1.0 | 6.8 |
| NE | .5 | .5 | .4 | .3 | .1 | | | | | | | 1.7 | 7.2 |
| ENE | 1.0 | .4 | .1 | .2 | | | | | | | | 1.8 | 4.5 |
| E | 1.8 | 1.8 | 1.3 | .4 | .1 | .0 | .1 | | | | | 5.6 | 6.2 |
| ESE | 3.2 | 3.4 | 2.5 | .7 | | | | | | | | 9.8 | 5.5 |
| SE | 4.6 | 6.2 | 4.8 | .8 | | | | | | | | 16.3 | 5.7 |
| SSE | 2.4 | 2.3 | 1.6 | .2 | | | | | | | | 6.5 | 5.0 |
| S | 1.6 | 1.2 | .5 | .3 | | | | | | | | 3.6 | 4.7 |
| SSW | 1.4 | 1.0 | .7 | .4 | .1 | | | | | | | 3.6 | 5.9 |
| SW | 1.3 | .8 | .8 | .3 | .1 | | | | | | | 3.4 | 5.9 |
| WSW | 1.2 | .5 | .4 | .2 | | | | | | | | 2.4 | 4.8 |
| W | 1.2 | 1.2 | .5 | .4 | .1 | | | | | | | 3.3 | 5.7 |
| WNW | 1.1 | .6 | .3 | .4 | | | | | | | | 2.4 | 5.4 |
| NW | .7 | .5 | .4 | .2 | .1 | | | | | | | 1.8 | 6.1 |
| NNW | .4 | .2 | .2 | .2 | | .0 | | | | | | 1.0 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.7 | |
| | 23.0 | 21.1 | 15.1 | 5.3 | .6 | .1 | .1 | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2563

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER 43-74 YEARS FEB MONTH
ALL WEATHER CLASS 1200-1400 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | .9 | .3 | .2 | | | | | | | | 2.3 | 5.1 |
| NNE | .7 | .5 | .4 | .2 | .0 | | | | | | | 1.8 | 5.9 |
| NE | .7 | .5 | .3 | .1 | | | | | | | | 1.6 | 5.2 |
| ENE | .8 | .2 | .3 | .0 | | | | | | | | 1.4 | 4.3 |
| E | .8 | .9 | 1.0 | .7 | .2 | .1 | | | | | | 3.7 | 8.2 |
| ESE | .9 | .9 | 1.2 | .4 | .2 | | | | | | | 3.6 | 7.1 |
| SE | 1.2 | 1.4 | 1.4 | .5 | .0 | | | | | | | 4.4 | 6.4 |
| SSE | 1.2 | 1.0 | 1.3 | .2 | .0 | | | | | | | 3.7 | 6.0 |
| S | 1.7 | 1.6 | 1.3 | .5 | .1 | .0 | | | | | | 5.1 | 6.1 |
| SSW | 1.4 | 1.3 | 1.6 | .3 | .0 | | | | | | | 5.2 | 5.9 |
| SW | 1.8 | 1.7 | .6 | .6 | .2 | | | | | | | 4.9 | 6.0 |
| WSW | 1.7 | 2.1 | 1.5 | .5 | .1 | .0 | | | | | | 5.9 | 6.2 |
| W | 3.2 | 4.3 | 2.0 | .9 | .0 | | | | | | | 10.4 | 5.6 |
| WNW | 2.2 | 2.2 | 1.7 | .7 | .4 | .1 | | | | | | 7.3 | 6.9 |
| NW | 1.7 | 2.0 | 1.2 | .4 | .1 | .0 | .0 | | | | | 5.5 | 6.1 |
| NNW | .8 | .7 | .4 | .2 | | | | | | | | 2.1 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.0 | |
| | 21.7 | 22.5 | 16.6 | 6.4 | 1.4 | .3 | .0 | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 2577

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | .8 | .6 | .3 | | .1 | | | | | | 2.8 | 6.3 |
| NNE | .4 | .4 | .5 | .2 | .0 | | | | | | | 1.5 | 6.5 |
| NE | .2 | .7 | .3 | .2 | | | | | | | | 1.4 | 6.9 |
| ENE | .4 | .4 | .5 | .1 | | | | | | | | 1.5 | 6.0 |
| E | .9 | .8 | .9 | .5 | .2 | .0 | | | | | | 3.3 | 7.7 |
| ESE | .5 | .8 | 1.2 | .1 | | | | | | | | 2.6 | 6.6 |
| SE | .8 | .9 | .9 | .2 | .1 | | | | | | | 2.8 | 6.2 |
| SSE | .4 | .5 | .2 | .2 | .0 | | | | | | | 1.4 | 6.4 |
| S | .8 | .5 | .7 | .4 | .1 | | | | | | | 2.5 | 7.2 |
| SSW | .7 | .7 | .9 | .4 | .2 | .0 | | | | | | 2.9 | 7.7 |
| SW | 1.3 | 1.4 | 1.3 | .5 | .0 | .0 | | | | | | 4.6 | 6.5 |
| WSW | 1.7 | 2.5 | 1.4 | .8 | .2 | .0 | | | | | | 6.7 | 6.8 |
| W | 4.6 | 7.8 | 4.0 | 1.4 | .1 | .0 | | | | | | 18.0 | 5.8 |
| WNW | 3.5 | 5.8 | 3.4 | .8 | .2 | .1 | .0 | | | | | 13.8 | 5.9 |
| NW | 2.3 | 3.7 | 2.4 | .4 | .2 | .0 | | | | | | 9.1 | 5.9 |
| NNW | 1.2 | 1.6 | .6 | .3 | .1 | | | | | | | 3.7 | 5.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.3 | |
| | 20.6 | 29.3 | 19.8 | 7.0 | 1.6 | .4 | .0 | | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS 2500

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.5 | 1.3 | .3 | .2 | .0 | | | | | | | 3.2 | 4.6 |
| NNE | 1.3 | 1.1 | .4 | .3 | | | | | | | | 3.0 | 5.0 |
| NE | 1.5 | 1.0 | .7 | .2 | | | | | | | | 3.4 | 5.0 |
| ENE | 1.6 | 1.3 | .5 | .1 | | | | | | | | 3.4 | 4.6 |
| E | 1.7 | 1.9 | .7 | .2 | .1 | | | | | | | 4.5 | 5.1 |
| ESE | 1.1 | 1.1 | .6 | .2 | | | | | | | | 2.9 | 5.2 |
| SE | 1.5 | .8 | .5 | .0 | .2 | | | | | | | 3.0 | 5.3 |
| SSE | .7 | .5 | .3 | | | | | | | | | 1.5 | 4.2 |
| S | .8 | 1.0 | .3 | .1 | .0 | | | | | | | 2.1 | 5.0 |
| SSW | .4 | .7 | .6 | .4 | | .0 | | | | | | 2.1 | 7.2 |
| SW | 1.1 | 1.0 | .7 | .0 | .1 | .0 | | | | | | 2.9 | 5.9 |
| WSW | 1.0 | 1.0 | .6 | .2 | .0 | | | | | | | 2.9 | 5.3 |
| W | 3.1 | 3.4 | 1.4 | .4 | .1 | | | | | | | 8.4 | 5.0 |
| WNW | 3.5 | 3.2 | .8 | .4 | .0 | .0 | | | | | | 8.0 | 4.8 |
| NW | 2.9 | 1.1 | .6 | .1 | .0 | | | | | | | 4.7 | 4.3 |
| NNW | 2.1 | 1.5 | .4 | .2 | .0 | | | | | | | 4.2 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 39.7 | |
| | 25.5 | 21.9 | 9.2 | 2.9 | .7 | .1 | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 2239

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-60,62-74
YEARS

FEB
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .4 | .5 | | | | | | | | | 1.7 | 4.7 |
| NNE | .6 | .3 | .1 | .2 | .1 | | | | | | | 1.2 | 5.7 |
| NE | 1.3 | 1.5 | .5 | .1 | | | | | | | | 3.5 | 4.7 |
| ENE | 2.1 | 1.6 | .5 | .2 | | | | | | | | 4.4 | 4.2 |
| E | 4.9 | 4.4 | .9 | .2 | .1 | | | | | | | 10.4 | 4.2 |
| ESE | 6.9 | 5.0 | 1.3 | .2 | .1 | | | | | | | 13.4 | 4.2 |
| SE | 4.4 | 3.5 | 1.0 | .2 | | | | | | | | 9.2 | 4.4 |
| SSE | 1.9 | 1.1 | .1 | .1 | | | | | | | | 3.1 | 3.8 |
| S | 1.0 | 1.0 | .4 | .2 | .1 | | | | | | | 2.7 | 5.4 |
| SSW | .7 | .5 | .5 | .3 | | | | | | | | 2.0 | 6.4 |
| SW | .7 | .5 | .5 | .3 | .1 | | | | | | | 2.1 | 6.7 |
| WSW | .2 | .3 | .3 | .1 | | | | | | | | .8 | 6.4 |
| W | .7 | .5 | .2 | .1 | .1 | | | | | | | 1.6 | 5.8 |
| WNW | .5 | .3 | .2 | .1 | .1 | | | | | | | 1.3 | 5.9 |
| NW | .8 | .6 | .2 | .1 | | | | | | | | 1.7 | 4.8 |
| NNW | .4 | .4 | .2 | .2 | | | | | | | | 1.2 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 39.7 | |
| | 27.9 | 22.2 | 7.4 | 2.4 | .4 | | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS

1822

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-60, 64-65, 73-74
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | .4 | .3 | .1 | | .1 | | | | | | 1.9 | 5.5 |
| NNE | .3 | .1 | .6 | .2 | .1 | | | | | | | 1.2 | 7.4 |
| NE | 1.4 | 1.0 | .5 | .1 | | | | | | | | 3.1 | 4.8 |
| ENE | .6 | .8 | .4 | | | | | | | | | 2.0 | 5.2 |
| E | 3.8 | 4.4 | 1.1 | | | | | | | | | 9.8 | 4.5 |
| ESE | 5.2 | 7.9 | 3.4 | .2 | | | | | | | | 17.1 | 5.0 |
| SE | 4.3 | 8.7 | 4.5 | .3 | .1 | | | | | | | 18.0 | 5.4 |
| SSE | 1.6 | 1.7 | .9 | .1 | .1 | | | | | | | 4.2 | 5.0 |
| S | 1.2 | 1.6 | .5 | .2 | .1 | | | | | | | 3.5 | 5.5 |
| SSW | .7 | .6 | .6 | .2 | .1 | | | | | | | 2.1 | 6.1 |
| SW | .6 | 1.2 | 1.6 | .1 | | | | | | | | 3.5 | 6.3 |
| WSW | .5 | .5 | .1 | .1 | | | | | | | | 1.3 | 4.8 |
| W | .5 | .5 | .6 | | | | | | | | | 1.7 | 5.4 |
| WNW | .2 | .4 | .2 | .1 | | | | | | | | .9 | 5.5 |
| NW | .8 | .6 | .3 | .1 | | | | | | | | 1.8 | 4.3 |
| NNW | .1 | .4 | .4 | .1 | | | | | | | | 1.0 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.9 | |
| | 23.0 | 30.9 | 17.1 | 1.7 | .4 | .1 | | | | | | 100.7 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS

1864

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER STATION NAME 42-45, 47-74 YEARS MAR MONTH
ALL WEATHER CLASS 0300-0500 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | .3 | .5 | .0 | | | | | | | | 1.8 | 4.6 |
| NNE | .4 | .3 | .4 | | | | | | | | | 1.1 | 5.6 |
| NE | 1.7 | .4 | .3 | | | | | | | | | 2.4 | 3.8 |
| ENE | .7 | 1.0 | .3 | | | | | | | | | 2.0 | 4.5 |
| E | 5.4 | 8.4 | 2.9 | .1 | | | | | | | | 16.8 | 1.8 |
| ESE | 4.3 | 10.8 | 5.4 | .3 | | | | | | | | 20.8 | 5.4 |
| SE | 4.1 | 7.5 | 4.9 | .5 | .0 | | | | | | | 17.1 | 5.6 |
| SSE | 1.1 | 1.8 | .7 | | | | | | | | | 3.5 | 4.9 |
| S | 1.2 | .9 | .4 | .2 | .2 | | | | | | | 3.1 | 6.0 |
| SSW | .3 | .7 | .6 | .2 | | | | | | | | 1.8 | 6.4 |
| SW | 1.1 | .6 | 1.1 | .2 | | | | | | | | 3.0 | 5.7 |
| WSW | .3 | .3 | .6 | | | | | | | | | 1.2 | 5.9 |
| W | .4 | .4 | .1 | .1 | | | | | | | | .9 | 5.1 |
| WNW | .3 | .2 | .2 | .0 | | | | | | | | .7 | 5.3 |
| NW | .6 | .5 | .1 | .1 | | | | | | | | 1.3 | 4.9 |
| NNW | .3 | 1.7 | .4 | .2 | | | | | | | | 2.6 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.9 | |
| | 23.3 | 35.7 | 18.9 | 1.9 | .3 | | | | | | | 100.0 | 4.2 |

TOTAL NUMBER OF OBSERVATIONS 2163

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .4 | .1 | .1 | | | | | | | | .9 | 5.7 |
| NNE | .2 | .3 | .3 | .1 | | | | | | | | .8 | 6.3 |
| NE | .7 | .1 | .3 | .1 | | | | | | | | 1.3 | 5.3 |
| ENE | 1.1 | 1.0 | .2 | .0 | | | | | | | | 2.3 | 4.2 |
| E | 4.5 | 9.4 | 2.5 | .1 | | | | | | | | 16.5 | 4.7 |
| ESE | 4.9 | 12.5 | 6.2 | .1 | | | | | | | | 23.8 | 5.4 |
| SE | 4.1 | 9.2 | 6.1 | .6 | .1 | | | | | | | 20.0 | 5.7 |
| SSE | .9 | 1.5 | 1.0 | .1 | | | | | | | | 3.5 | 5.3 |
| S | 1.3 | 1.1 | .7 | .2 | .1 | .0 | | | | | | 3.4 | 5.7 |
| SSW | .6 | .5 | .9 | .3 | .1 | | | | | | | 2.4 | 7.1 |
| SW | 1.0 | .4 | .8 | .2 | .0 | | | | | | | 2.5 | 6.3 |
| WSW | .4 | .2 | .2 | .1 | .0 | | | | | | | .9 | 6.1 |
| W | .4 | .1 | .1 | .0 | | | | | | | | .7 | 4.3 |
| WNW | .1 | .1 | .1 | .1 | | | | | | | | .4 | 6.3 |
| NW | .4 | .3 | .3 | .1 | | | | | | | | 1.1 | 5.5 |
| NNW | .1 | .3 | .3 | .0 | | | | | | | | .8 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 18.6 | |
| | 21.0 | 37.7 | 29.2 | 2.2 | .3 | .0 | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 2715

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .2 | .3 | .0 | | | | | | | | 1.2 | 5.0 |
| NNE | .3 | .2 | .3 | .4 | | | | | | | | 1.2 | 8.4 |
| NE | .4 | .2 | .2 | .1 | .0 | | | | | | | .9 | 6.1 |
| ENE | .6 | .2 | .2 | .2 | | | | | | | | 1.2 | 5.8 |
| E | 1.7 | 1.3 | .9 | .4 | .0 | | | | | | | 4.4 | 5.5 |
| ESE | 1.9 | 2.7 | 2.1 | .5 | .0 | | | | | | | 7.3 | 5.9 |
| SE | 3.9 | 5.7 | 5.0 | 1.1 | .1 | | | | | | | 15.9 | 6.0 |
| SSE | 2.3 | 2.7 | 2.4 | .5 | .0 | .0 | | | | | | 8.1 | 5.8 |
| S | 2.9 | 1.8 | 1.2 | .6 | .1 | | | | | | | 6.6 | 5.4 |
| SSW | 1.2 | .9 | 1.3 | .8 | .1 | .0 | | | | | | 4.3 | 7.3 |
| SW | 2.0 | 1.7 | 2.2 | .6 | .1 | | | | | | | 6.5 | 6.3 |
| WSW | 1.3 | 1.1 | .8 | .5 | .0 | .0 | .0 | | | | | 3.8 | 6.5 |
| W | 1.7 | 1.2 | 1.3 | .4 | .2 | .1 | | | | | | 4.9 | 6.6 |
| WNW | 1.0 | .7 | .6 | .1 | .1 | | | | | | | 2.4 | 5.8 |
| NW | .9 | .4 | .3 | .1 | .1 | | | | | | | 1.8 | 5.3 |
| NNW | .5 | .2 | .3 | .1 | | | | | | | | 1.1 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.4 | |
| | 23.2 | 21.2 | 19.6 | 6.6 | .8 | .2 | .0 | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 2912

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1.1 | .5 | .1 | | | | | | | | 2.7 | 4.8 |
| NNE | .4 | .3 | .4 | .2 | | | | | | | | 1.3 | 6.4 |
| NE | .5 | .4 | .3 | | .0 | | | | | | | 1.2 | 5.2 |
| ENE | .4 | .4 | .4 | | | .0 | | | | | | 1.2 | 5.9 |
| E | .7 | .4 | .6 | .4 | .0 | | | | | | | 2.2 | 6.8 |
| ESE | .5 | .8 | .5 | .2 | | | | | | | | 2.1 | 6.0 |
| SE | 1.0 | .8 | 1.2 | .3 | .1 | | | | | | | 3.5 | 6.5 |
| SSE | .9 | 1.0 | .6 | .3 | .2 | | | | | | | 3.0 | 6.5 |
| S | 1.5 | 1.9 | 1.3 | .4 | .1 | .0 | | | | | | 5.3 | 6.2 |
| SSW | 1.2 | 1.4 | 1.4 | 1.0 | .1 | .0 | | | | | | 4.2 | 7.3 |
| SW | 2.3 | 2.4 | 2.6 | 1.1 | .2 | .0 | | | | | | 8.6 | 6.8 |
| WSW | 1.6 | 3.8 | 2.8 | .9 | .3 | | | | | | | 9.4 | 6.8 |
| W | 3.5 | 5.4 | 4.3 | 1.2 | .4 | .2 | | | | | | 15.1 | 6.7 |
| WNW | 1.6 | 3.8 | 3.0 | .5 | .2 | .0 | | | | | | 9.2 | 6.5 |
| NW | 2.7 | 2.7 | 1.8 | .5 | .1 | | | | | | | 7.8 | 5.5 |
| NNW | 1.0 | 1.3 | .6 | .1 | | | .0 | | | | | 2.9 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.4 | |
| | 21.0 | 27.9 | 22.3 | 7.2 | 1.7 | .4 | .0 | | | | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS

2927

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-45, 47-74

MAR

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

1500-1700

CLASS

HOURS (L.T.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.7 | 1.3 | .6 | .3 | | | .0 | | | | | 3.9 | 5.3 |
| NNE | .6 | .5 | .2 | .2 | | | | | | | | 1.4 | 5.4 |
| NE | .5 | .4 | .2 | .0 | | | | | | | | 1.1 | 4.8 |
| ENE | .1 | .3 | .1 | .0 | | | | | | | | .6 | 5.5 |
| E | .3 | .6 | .5 | .2 | | | | | | | | 1.5 | 6.4 |
| ESE | .5 | .4 | .4 | .3 | .0 | | | | | | | 1.5 | 7.3 |
| SE | .2 | .7 | .8 | .2 | .1 | | | | | | | 2.0 | 7.5 |
| SSE | .2 | .5 | .5 | .2 | | | | | | | | 1.4 | 6.8 |
| S | .5 | .7 | .8 | .5 | .1 | .1 | | | | | | 2.7 | 8.5 |
| SSW | .7 | 1.1 | .9 | .7 | .4 | .1 | | | | | | 3.9 | 8.6 |
| SW | 1.1 | 1.7 | 1.2 | .7 | .3 | .2 | | | | | | 5.1 | 8.2 |
| WSW | 1.5 | 2.5 | 2.5 | 1.5 | .3 | .0 | | | | | | 8.4 | 7.7 |
| W | 3.1 | 8.3 | 8.2 | 2.5 | .9 | .1 | | | | | | 23.1 | 7.4 |
| WNW | 2.5 | 5.2 | 5.1 | .9 | .3 | .1 | | | | | | 16.1 | 6.6 |
| NW | 3.2 | 5.1 | 3.0 | .4 | .1 | .0 | | | | | | 11.7 | 5.7 |
| NNW | 1.1 | 1.8 | .6 | .1 | | | | | | | | 3.8 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 11.5 | |
| | 17.8 | 32.0 | 26.7 | 8.8 | 2.5 | .6 | .0 | | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS

2543

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 3.4 | 1.9 | .4 | .3 | .0 | | | | | | | 6.1 | 4.3 |
| NNE | 1.4 | .5 | .4 | .0 | .0 | | | | | | | 2.4 | 4.5 |
| NE | 1.0 | 1.1 | .5 | | | | | | | | | 3.2 | 4.2 |
| ENE | .7 | .9 | .4 | .0 | | | | | | | | 2.1 | 4.8 |
| E | 1.1 | 1.1 | .4 | .2 | | | | | | | | 2.8 | 5.0 |
| ESE | .6 | .7 | .4 | .2 | | | | | | | | 1.9 | 5.6 |
| SE | .6 | .9 | .5 | .2 | .1 | .1 | | | | | | 2.3 | 6.6 |
| SSE | .7 | .5 | .4 | .1 | | | | | | | | 1.7 | 5.3 |
| S | .7 | .3 | .3 | .4 | .1 | | | | | | | 1.8 | 7.0 |
| SSW | .3 | .6 | .5 | .3 | .1 | | | | | | | 1.8 | 7.7 |
| SW | 1.5 | 1.7 | 1.4 | .5 | .0 | | | | | | | 5.1 | 6.2 |
| WSW | .9 | 1.5 | 1.5 | .4 | .2 | | | | | | | 4.5 | 6.9 |
| W | 3.0 | 4.4 | 2.5 | .7 | .1 | | | | | | | 10.7 | 5.7 |
| WNW | 2.5 | 3.1 | 1.7 | .5 | .1 | .0 | | | | | | 8.1 | 5.7 |
| NW | 3.2 | 3.3 | 1.2 | .2 | .2 | .0 | | | | | | 8.1 | 5.0 |
| NNW | 2.2 | 2.0 | .6 | .2 | | | | | | | | 4.9 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 32.6 | |
| | 24.2 | 24.6 | 13.2 | 4.2 | .9 | .2 | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS 2549

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.6 | .5 | .4 | .1 | .0 | | | | | | | 2.6 | 4.4 |
| NNE | 1.0 | .3 | .3 | .1 | | | | | | | | 1.8 | 4.7 |
| NE | 2.1 | 1.4 | .9 | .1 | | | | | | | | 4.5 | 4.6 |
| ENE | 1.8 | 1.3 | .3 | .0 | | | | | | | | 3.4 | 3.9 |
| E | 4.3 | 4.2 | 1.1 | .1 | .1 | | | | | | | 9.8 | 4.4 |
| ESE | 4.0 | 3.8 | 1.4 | .1 | | .0 | | | | | | 9.4 | 4.6 |
| SE | 4.1 | 3.8 | 1.9 | .1 | .0 | .1 | | | | | | 10.1 | 5.0 |
| SSE | 1.1 | 1.2 | .6 | .1 | | | | | | | | 3.0 | 5.0 |
| S | 1.0 | 1.2 | .6 | .3 | | | | | | | | 3.0 | 5.5 |
| SSW | .9 | 1.3 | .6 | .6 | | | | | | | | 3.3 | 6.2 |
| SW | 1.3 | 1.9 | 1.1 | .2 | .1 | | | | | | | 4.6 | 5.6 |
| WSW | .5 | .8 | .9 | .0 | | | | | | | | 2.3 | 6.1 |
| W | .7 | .5 | .7 | .1 | .0 | | | | | | | 2.0 | 6.2 |
| WNW | .5 | 1.0 | .3 | .1 | | | | | | | | 1.9 | 5.3 |
| NW | 1.0 | .9 | .1 | .0 | .0 | | | | | | | 2.1 | 4.3 |
| NNW | .6 | .5 | .2 | .1 | | | | | | | | 1.4 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.7 | |
| | 26.5 | 24.5 | 11.4 | 2.4 | .4 | .1 | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS

2151

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MA'

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,64-65,73-74
YEARS

APR
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

OF STATION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .4 | .2 | .1 | | | | | | | | .8 | 6.1 |
| NNE | .4 | .3 | .2 | | | | | | | | | .8 | 4.6 |
| NE | .5 | .2 | .5 | .2 | .1 | | | | | | | 1.4 | 7.1 |
| ENE | .5 | .9 | .4 | .1 | .1 | | | | | | | 2.0 | 5.6 |
| E | 2.8 | 3.9 | 1.9 | .1 | | | | | | | | 8.8 | 4.9 |
| ESE | 3.9 | 6.2 | 3.6 | .2 | | | | | | | | 13.9 | 5.2 |
| SE | 6.9 | 10.5 | 4.1 | .5 | | .1 | | | | | | 22.0 | 5.0 |
| SSE | 1.6 | 1.9 | .8 | .1 | | | | | | | | 4.4 | 4.7 |
| S | 1.2 | 1.2 | 1.3 | .2 | .1 | | | | | | | 3.9 | 6.0 |
| SSW | .8 | 1.3 | 1.3 | .2 | .1 | | | | | | | 3.6 | 6.2 |
| SW | .8 | 1.5 | 1.3 | .4 | .1 | | | | | | | 4.1 | 6.5 |
| WSW | .6 | .6 | .3 | .3 | .1 | | | | | | | 1.8 | 6.6 |
| W | .4 | .5 | .2 | .2 | | | | | | | | 1.2 | 5.9 |
| WNW | .6 | .1 | .2 | | | | | | | | | .9 | 4.4 |
| NW | .4 | .3 | .4 | .1 | | | | | | | | 1.1 | 5.3 |
| NNW | .3 | .2 | .2 | .1 | | | | | | | | .8 | 5.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 28.3 | |
| | 21.8 | 30.1 | 16.8 | 2.6 | .3 | .1 | | | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 1900

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .3 | .2 | | | | | | | | | .9 | 4.7 |
| NNE | .2 | .0 | | | .1 | | | | | | | .3 | 7.1 |
| NE | .2 | .5 | .2 | .2 | | | | | | | | 1.1 | 6.9 |
| ENE | .8 | 1.6 | .5 | .0 | | | | | | | | 2.9 | 5.1 |
| E | 3.2 | 7.1 | 4.4 | .1 | | | | | | | | 14.9 | 5.5 |
| ESE | 4.6 | 9.5 | 7.2 | .5 | | | | | | | | 21.7 | 3.7 |
| SE | 4.9 | 10.4 | 8.4 | .6 | | | | | | | | 24.3 | 5.9 |
| SSE | 1.3 | 1.6 | .9 | .0 | | | | | | | | 3.9 | 4.8 |
| S | .6 | .7 | .7 | .2 | | | | | | | | 2.2 | 6.0 |
| SSW | .2 | .9 | .9 | .4 | .1 | | | | | | | 2.5 | 7.5 |
| SW | .6 | .9 | 1.4 | .5 | | | | | | | | 3.4 | 7.2 |
| WSW | .3 | .3 | .3 | .1 | | | | | | | | 1.1 | 6.4 |
| W | .3 | .5 | .2 | | | | | | | | | 1.0 | 4.8 |
| WNW | .1 | .1 | .2 | | | | | | | | | .5 | 6.5 |
| NW | .3 | .3 | | | | | | | | | | .5 | 3.4 |
| NNW | .2 | 1.1 | .4 | | | | | | | | | 1.6 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.0 | |
| | 18.3 | 35.8 | 26.0 | 2.7 | .2 | | | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS 2184

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER STATION NAME 42-74 YEARS APR MONTH
ALL WEATHER CLASS 0600-0800 HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .2 | .1 | | | | | | | | | .4 | 4.7 |
| NNE | .1 | .1 | .1 | .0 | | | | | | | | .3 | 6.3 |
| NE | .4 | .1 | .1 | | | | | | | | | .7 | 4.4 |
| ENE | .5 | .7 | .3 | .1 | | | | | | | | 1.6 | 5.4 |
| E | 2.9 | 5.0 | 2.9 | .3 | | | | | | | | 11.2 | 5.3 |
| ESE | 3.0 | 10.5 | 7.8 | .7 | | | | | | | | 22.1 | 6.0 |
| SE | 3.9 | 12.0 | 10.8 | 1.1 | | | | | | | | 27.8 | 6.3 |
| SSE | 1.9 | 2.7 | 1.7 | .4 | | | | | | | | 6.7 | 5.5 |
| S | .9 | 1.3 | .6 | .4 | | | | | | | | 3.2 | 5.8 |
| SSW | .3 | .7 | 1.5 | .3 | | .0 | | | | | | 2.9 | 7.4 |
| SW | .3 | .7 | 1.4 | .7 | .0 | | | | | | | 3.1 | 8.2 |
| WSW | .4 | .4 | .7 | .1 | .0 | | | | | | | 1.7 | 6.8 |
| W | .3 | .2 | .2 | .3 | | | | | | | | 1.0 | 7.4 |
| WNW | .1 | .3 | .2 | .1 | | | | | | | | .6 | 6.1 |
| NW | .1 | .3 | .2 | | | | | | | | | .6 | 5.5 |
| NNW | .1 | .1 | .2 | | | | | | | | | .5 | 6.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.5 | |
| | 15.7 | 35.4 | 28.9 | 4.4 | .1 | .0 | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 2714

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER 42-74 YEARS APR MONTH
ALL WEATHER CLASS 0900-1100 NOJEF (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .2 | .3 | .0 | | | | | | | | 1.0 | 4.8 |
| NNE | .3 | .2 | .2 | .1 | .0 | .0 | | | | | | .9 | 6.8 |
| NE | .4 | .2 | .2 | .1 | .0 | | | | | | | .9 | 6.1 |
| ENE | .3 | .4 | .3 | .3 | | | | | | | | 1.3 | 6.9 |
| E | .9 | .9 | .6 | .5 | .1 | | | | | | | 3.0 | 6.7 |
| ESE | 1.1 | 2.0 | 1.4 | .5 | .1 | | | | | | | 5.1 | 6.5 |
| SE | 2.5 | 4.4 | 4.5 | 1.0 | .1 | | | | | | | 12.5 | 6.5 |
| SSE | 2.4 | 3.7 | 2.8 | .5 | | | | | | | | 9.3 | 5.8 |
| S | 2.3 | 2.7 | 1.5 | .7 | .1 | | | | | | | 7.2 | 5.7 |
| SSW | 1.4 | 1.6 | 1.7 | .8 | .3 | | | | | | | 5.8 | 7.3 |
| SW | 2.3 | 2.1 | 2.2 | .9 | .3 | | | | | | | 7.7 | 6.7 |
| WSW | 1.2 | 2.2 | 2.1 | .7 | .2 | | | | | | | 6.4 | 6.8 |
| W | 2.4 | 2.1 | 1.5 | .6 | .1 | | | | | | | 6.7 | 5.8 |
| WNW | 1.4 | 1.7 | 1.1 | .2 | .0 | | .0 | | | | | 4.5 | 5.7 |
| NW | .9 | .8 | .6 | .2 | .0 | | | | | | | 2.6 | 5.5 |
| NNW | .4 | .5 | .3 | .0 | | | | | | | | 1.3 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.8 | |
| | 20.8 | 25.6 | 21.3 | 7.2 | 1.3 | .0 | .0 | | | | | 100.0 | 4.8 |

TOTAL NUMBER OF OBSERVATIONS 2892

DATA PROCESSING BRANCH
ETAC/JSAP
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .9 | .4 | .1 | | | | | | | | 1.8 | 5.5 |
| NNE | .4 | .3 | .4 | | .0 | | | | | | | 1.1 | 5.4 |
| NE | .3 | .4 | .2 | | | | | | | | | 1.0 | 5.2 |
| SNE | .1 | .3 | .2 | .0 | | | | | | | | .7 | 5.9 |
| E | .2 | .4 | .6 | .4 | | | | | | | | 1.6 | 7.7 |
| ESE | .3 | .6 | .4 | .3 | | | | | | | | 1.5 | 7.2 |
| SE | .5 | 1.0 | 1.0 | .4 | | | | | | | | 3.0 | 6.7 |
| SSE | .7 | 1.0 | .9 | .1 | .0 | | | | | | | 2.8 | 6.3 |
| S | 1.1 | 1.5 | 1.7 | .5 | .2 | .0 | | | | | | 5.0 | 7.1 |
| SSW | .8 | 2.4 | 2.2 | 1.0 | .2 | | .0 | | | | | 6.7 | 7.6 |
| SW | 1.3 | 2.9 | 3.7 | 1.3 | .3 | .1 | | | | | | 9.5 | 7.8 |
| WSW | 1.5 | 4.2 | 4.8 | 2.0 | .6 | .0 | | | | | | 13.1 | 8.1 |
| W | 2.4 | 5.8 | 7.7 | 2.2 | .2 | .1 | | | | | | 18.5 | 7.4 |
| WNW | 1.7 | 4.5 | 4.8 | 1.1 | .1 | .1 | | | | | | 12.4 | 6.9 |
| NW | 1.4 | 3.3 | 2.7 | .3 | .0 | .0 | | | | | | 7.8 | 6.2 |
| NNW | 1.2 | 1.4 | .4 | .0 | | | | | | | | 3.1 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 10.4 | |
| | 14.4 | 31.0 | 32.2 | 9.9 | 1.8 | .3 | .0 | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 2905

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.1 | 1.2 | .7 | .1 | | | | | | | | 3.2 | 5.0 |
| NNE | .0 | .5 | .3 | .1 | | .0 | | | | | | 1.0 | 8.0 |
| NE | .1 | .3 | .2 | .1 | | .0 | | | | | | .7 | 6.8 |
| ENE | .1 | .2 | .2 | .0 | | | | | | | | .7 | 5.9 |
| E | .1 | .5 | .2 | .1 | | | | | | | | .9 | 6.6 |
| ESE | .2 | .2 | .2 | .1 | | | | | | | | .7 | 6.5 |
| SE | .3 | .3 | .4 | .2 | | | .0 | | | | | 1.2 | 7.3 |
| SSE | .1 | .6 | .4 | .2 | | .0 | | | .0 | | | 1.3 | 8.0 |
| S | .5 | .5 | .7 | .4 | .1 | .1 | | | | | | 2.3 | 8.0 |
| SSW | .2 | .8 | 1.3 | .5 | .2 | .1 | | | | | | 3.7 | 9.1 |
| SW | .6 | 1.3 | 2.6 | 1.6 | .4 | .3 | | | | | | 6.9 | 9.6 |
| WSW | .8 | 2.8 | 4.6 | 2.1 | .5 | .1 | | | | | | 10.8 | 8.8 |
| W | 1.6 | 6.7 | 9.6 | 4.2 | .7 | .1 | | | | | | 22.7 | 8.4 |
| WNW | 1.7 | 6.7 | 8.7 | 2.0 | .3 | .0 | | | | | | 19.3 | 7.4 |
| NW | 2.3 | 5.6 | 5.2 | .9 | .4 | .0 | .0 | | | | | 14.3 | 6.8 |
| NNW | 1.4 | 2.3 | 1.7 | .3 | | | | | | | | 5.7 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.9 | |
| | 11.2 | 30.6 | 37.2 | 12.7 | 2.5 | .9 | .1 | | .0 | | | 100.0 | 7.4 |

TOTAL NUMBER OF OBSERVATIONS 2818

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.6 | 2.3 | .7 | .1 | .0 | | | | | | | 5.7 | 4.4 |
| NNE | 1.1 | .7 | .3 | .2 | | | | | | | | 2.4 | 5.0 |
| NE | .8 | .6 | .2 | .1 | .0 | | | | | | | 1.8 | 5.1 |
| ENE | .5 | .3 | .4 | .0 | | | | | | | | 1.2 | 5.5 |
| E | .5 | .7 | .2 | .0 | | | | | | | | 1.6 | 4.8 |
| ESE | .6 | .4 | .4 | .0 | | | | | | | | 1.5 | 5.1 |
| SE | .5 | .5 | .8 | .2 | | .0 | | | | | | 2.0 | 7.0 |
| SSE | .4 | .3 | .2 | .1 | | | | | | | | 1.0 | 5.7 |
| S | .4 | .5 | .3 | .3 | .0 | | | | | | | 1.7 | 7.1 |
| SSW | .5 | .7 | .5 | .5 | .2 | .1 | | | | | | 2.6 | 8.8 |
| SW | 1.1 | 1.4 | 1.9 | .5 | .2 | | | | | | | 5.1 | 7.4 |
| WSW | 1.0 | 1.6 | 2.0 | .8 | .0 | .0 | | | | | | 5.4 | 7.2 |
| W | 2.7 | 4.9 | 4.0 | .9 | .1 | .1 | | | | | | 12.7 | 6.4 |
| WNW | 2.1 | 4.2 | 3.3 | 1.0 | .2 | | | | | | | 10.7 | 6.5 |
| NW | 3.8 | 5.4 | 3.1 | .9 | .1 | .0 | | | | | | 13.2 | 5.6 |
| NNW | 3.6 | 3.6 | 1.2 | .2 | .1 | .0 | | | | | | 8.8 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.6 | |
| | 22.5 | 28.0 | 19.6 | 5.9 | 1.0 | .3 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 2576

SURFACE WINDS

APR
MONTH

2100-2300
HOURS (L.S.T.)

CONDITION

TOTAL NUMBER OF OBSERVATIONS 2138

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-61,63-65,68-70,72-74

MAY

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

0000-0200

HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .1 | .3 | .1 | | | | | | | | 1.0 | 6.0 |
| NNE | .2 | .3 | .0 | | | | | | | | | .5 | 4.0 |
| NE | .4 | .2 | .2 | .0 | | | | | | | | .9 | 5.0 |
| ENE | .7 | .8 | .3 | .1 | | | | | | | | 2.0 | 5.0 |
| E | 3.8 | 4.2 | 2.5 | .0 | | | | | | | | 10.5 | 4.9 |
| ESE | 4.5 | 6.6 | 3.6 | .2 | | | | | | | | 14.9 | 5.1 |
| SE | 4.8 | 7.1 | 4.2 | .3 | | | | | | | | 16.4 | 5.3 |
| SSE | 1.8 | 1.9 | .8 | .1 | | | | | | | | 4.6 | 4.6 |
| S | 1.8 | 2.0 | .5 | .2 | | | | | | | | 4.6 | 4.7 |
| SSW | .6 | 1.3 | 1.2 | .4 | .0 | | | | | | | 3.6 | 6.9 |
| SW | .9 | 1.8 | 1.4 | .6 | | | | | | | | 4.8 | 6.6 |
| WSW | .5 | .7 | 1.0 | .1 | | | | | | | | 2.4 | 6.1 |
| W | .4 | .5 | .1 | | | | | | | | | 1.1 | 4.3 |
| WNW | .3 | .5 | .1 | .0 | | | | | | | | 1.0 | 4.7 |
| NW | .2 | .5 | .0 | .0 | | | | | | | | .8 | 4.9 |
| NNW | .2 | .1 | .2 | .0 | | | | | | | | .5 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.5 | |
| | 21.7 | 28.7 | 16.6 | 2.5 | .0 | | | | | | | 100.0 | 3.7 |

TOTAL NUMBER OF OBSERVATIONS

2076

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER 42-74 YEARS
MAY MONTH
0300-0500 HOURS (L.S.T.)
ALL WEATHER CLASS
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .3 | .3 | | | | | | | | | .6 | 6.5 |
| NNE | .0 | .1 | .1 | .0 | | | | | | | | .3 | 6.3 |
| NE | .3 | .3 | .2 | | | | | | | | | .9 | 4.6 |
| ENE | .5 | 1.4 | .5 | .0 | | | | | | | | 2.5 | 5.1 |
| E | 4.1 | 8.9 | 4.1 | .0 | | | | | | | | 17.2 | 5.2 |
| ESE | 3.7 | 11.5 | 9.8 | .6 | | | | | | | | 25.6 | 6.1 |
| SE | 3.9 | 9.9 | 9.6 | .5 | | | | | | | | 23.9 | 6.1 |
| SSE | 1.4 | 1.8 | .9 | .1 | .0 | | | | | | | 4.3 | 5.3 |
| S | .6 | .7 | .3 | | | | | | | | | 1.7 | 4.6 |
| SSW | .3 | .5 | .7 | .2 | | | | | | | | 1.6 | 6.8 |
| SW | .6 | .8 | 1.0 | .3 | | | | | | | | 2.6 | 6.8 |
| WSW | .2 | .3 | .3 | .1 | | | | | | | | .9 | 5.4 |
| W | .3 | .1 | .1 | .0 | | | | | | | | .6 | 4.9 |
| WNW | .2 | .2 | .2 | | | | | | | | | .6 | 5.3 |
| WW | .1 | .1 | .2 | | | | | | | | | .4 | 5.8 |
| NNW | .2 | .9 | .4 | .0 | | | | | | | | 1.5 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 14.8 | |
| | 16.5 | 37.9 | 28.7 | 2.0 | .0 | | | | | | | 100.0 | 5.0 |

TOTAL NUMBER OF OBSERVATIONS 2325

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .0 | .2 | .1 | | | | | | | | | .3 | 6.1 |
| NNE | .1 | .1 | .2 | .1 | | | | | | | | .5 | 7.0 |
| NE | .4 | .1 | .1 | | | | | | | | | .6 | 4.2 |
| ENE | .4 | .7 | .4 | .1 | | | | | | | | 1.6 | 5.6 |
| E | 1.7 | 5.9 | 3.5 | .5 | | | | | | | | 11.6 | 5.9 |
| ESE | 3.4 | 9.2 | 11.4 | 1.4 | | | | | | | | 23.4 | 6.6 |
| SE | 3.3 | 11.7 | 13.5 | 1.2 | .0 | | | | | | | 29.8 | 6.6 |
| SSE | 1.3 | 2.9 | 2.2 | .1 | | | | | | | | 6.5 | 5.7 |
| S | 1.0 | 1.1 | .6 | .1 | | | | | | | | 2.9 | 5.2 |
| SSW | .4 | .5 | .7 | .1 | | | | | | | | 1.8 | 6.3 |
| SW | .0 | .8 | .9 | .1 | | | | | | | | 2.5 | 6.3 |
| WSW | .1 | .3 | .4 | .2 | | | | | | | | 1.0 | 8.0 |
| W | .2 | .3 | .2 | | | | | | | | | .8 | 5.1 |
| WNW | .1 | .1 | .2 | | | | | | | | | .5 | 6.0 |
| NW | | .2 | .1 | | | | | | | | | .3 | 5.4 |
| NNW | .0 | .1 | .1 | .1 | | | | | | | | .4 | 7.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.5 | |
| | 13.3 | 34.3 | 34.8 | 4.0 | .0 | | | | | | | 100.0 | 5.5 |

TOTAL NUMBER OF OBSERVATIONS

2820

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED (KNOTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|--------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .3 | .1 | | | | | | | | | .8 | 4.3 |
| NNE | .2 | .2 | .2 | .1 | | | | | | | | .7 | 5.7 |
| NE | .2 | .2 | .0 | .1 | | | | | | | | .6 | 6.1 |
| ENE | .3 | .2 | .1 | .1 | | .0 | | | | | | .9 | 5.4 |
| E | 1.0 | .6 | .4 | .3 | .1 | | | | | | | 2.9 | 7.3 |
| ESE | 1.7 | 1.7 | 1.3 | .5 | .2 | | | | | | | 5.5 | 6.4 |
| SE | 2.8 | 4.0 | 3.7 | .6 | .1 | | | | | | | 11.2 | 6.0 |
| SSE | 2.3 | 4.0 | 2.8 | .5 | .1 | | | | | | | 9.8 | 5.8 |
| S | 2.5 | 3.7 | 2.3 | .5 | .1 | | | | | | | 7.1 | 5.7 |
| SSW | 1.9 | 1.8 | 2.2 | .4 | .1 | | | | | | | 6.4 | 6.2 |
| SW | 2.1 | 2.5 | 2.4 | .7 | .1 | | | | | | | 7.8 | 6.3 |
| WSW | 1.3 | 1.9 | 1.7 | .3 | .0 | | | | | | | 5.2 | 6.0 |
| W | 2.0 | 2.4 | 1.3 | .2 | .1 | | | | | | | 6.0 | 5.4 |
| WNW | 1.0 | 1.7 | .8 | .2 | | | | | | | | 3.7 | 5.4 |
| NW | 1.2 | 1.0 | .5 | .0 | | | | | | | | 2.7 | 4.5 |
| NNW | .6 | .3 | .2 | .1 | | | | | | | | 1.2 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.4 | |
| | 21.9 | 26.6 | 20.1 | 5.1 | .9 | .0 | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 2986

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 MAY
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .4 | .2 | .0 | | | | | | | | 1.4 | 4.4 |
| NNE | .3 | .3 | .0 | .1 | | | | | | | | .8 | 4.9 |
| NE | .4 | .2 | .1 | .1 | | | | | | | | .8 | 4.9 |
| ENE | .2 | .1 | .4 | .1 | | | | | | | | .8 | 7.1 |
| E | .2 | .6 | .5 | .3 | | | | | | | | 1.6 | 7.0 |
| ESE | .4 | .6 | .4 | .3 | .0 | | | | | | | 1.8 | 6.9 |
| SE | .6 | .7 | 1.5 | .2 | | | | | | | | 3.1 | 7.0 |
| SSE | .6 | 1.1 | 1.5 | .4 | .0 | | | | | | | 3.7 | 7.0 |
| S | 1.1 | 2.2 | 2.3 | .8 | .1 | .0 | | | | | | 6.6 | 7.0 |
| SSW | .8 | 2.2 | 2.9 | 1.2 | .2 | .0 | | | | | | 7.4 | 8.0 |
| SW | 1.2 | 3.8 | 4.7 | 1.8 | .3 | .1 | | | | | | 11.8 | 7.8 |
| WSW | 1.5 | 4.0 | 4.6 | 1.8 | .3 | .0 | | | | | | 12.2 | 7.6 |
| W | 2.1 | 6.6 | 7.3 | 2.0 | .2 | | | | | | | 18.1 | 7.1 |
| WNW | 1.7 | 4.6 | 5.3 | .8 | .1 | | | | | | | 12.3 | 6.7 |
| NW | 1.5 | 2.9 | 2.9 | .3 | .0 | | | | | | | 7.6 | 6.1 |
| NNW | .8 | .6 | .7 | .2 | .0 | | | | | | | 2.3 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.7 | |
| | 14.1 | 31.0 | 35.4 | 10.3 | 1.2 | .2 | | | | | | 100.0 | 6.5 |

TOTAL NUMBER OF OBSERVATIONS 2989

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .6 | .6 | .2 | .0 | | | | | | | 2.1 | 6.3 |
| NNE | .1 | .2 | .1 | .2 | .1 | | | | | | | .6 | 9.6 |
| NE | .2 | .1 | .1 | .0 | | | | | | | | .4 | 5.5 |
| ENE | .1 | | .3 | .1 | | | | | | | | .4 | 8.2 |
| E | .1 | .2 | .3 | .1 | | | | | | | | .8 | 7.3 |
| ESE | .1 | .3 | .3 | .4 | | | | | | | | 1.1 | 8.3 |
| SE | .2 | .2 | .4 | .1 | | .0 | | | | | | .9 | 7.5 |
| SSE | .3 | .7 | .3 | .1 | | | | | | | | 1.4 | 5.7 |
| S | .3 | .7 | .6 | .3 | .0 | | | | | | | 2.0 | 7.2 |
| SSW | .3 | 1.2 | 1.5 | 1.2 | .1 | .0 | | | .0 | | | 4.4 | 9.1 |
| SW | .7 | 1.7 | 3.1 | 2.1 | .4 | .1 | | | | | | 8.1 | 9.3 |
| WSW | .9 | 3.2 | 5.2 | 3.2 | .3 | | | | | | | 12.7 | 8.8 |
| W | 1.5 | 7.1 | 10.5 | 3.0 | .6 | | | | | | | 22.7 | 8.0 |
| WNW | 1.7 | 6.2 | 8.2 | 2.3 | .2 | | | | | | | 18.6 | 7.4 |
| NW | 1.3 | 5.4 | 6.8 | .6 | .0 | | | | | | | 14.2 | 6.7 |
| NNW | .6 | 2.4 | 2.2 | .4 | .0 | | | | | | | 5.7 | 6.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.8 | |
| | 9.1 | 30.3 | 40.5 | 14.4 | 1.8 | .1 | | | .0 | | | 100.0 | 7.5 |

TOTAL NUMBER OF OBSERVATIONS

2902

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.2 | 2.2 | .2 | .1 | | | | | | | | 4.7 | 4.1 |
| NNE | .6 | .4 | .2 | .2 | .1 | | | | | | | 1.6 | 6.2 |
| NE | .3 | .2 | .3 | .2 | | | | | | | | .9 | 7.0 |
| ENE | .0 | .1 | .1 | .0 | | | | | | | | .3 | 8.0 |
| E | .2 | .2 | .5 | .0 | | | | | | | | .9 | 6.8 |
| ESE | .1 | .1 | .3 | .1 | | | | | | | | .6 | 7.8 |
| SE | .1 | .2 | .2 | .1 | .0 | | | | | | | .7 | 7.7 |
| SSE | .2 | .2 | .1 | | | | | | | | | .5 | 4.4 |
| S | .3 | .2 | .3 | .1 | | | .0 | | | | | .9 | 7.3 |
| SSW | .3 | .3 | .6 | .4 | .2 | .0 | | | | | | 1.9 | 9.3 |
| SW | 1.2 | 1.5 | 1.5 | 1.0 | .1 | | | | | | | 5.4 | 7.5 |
| WSW | .9 | 2.4 | 2.3 | 1.1 | .1 | | | | | | | 6.8 | 7.4 |
| W | 2.2 | 5.1 | 4.5 | .9 | .1 | .0 | | | | | | 12.9 | 6.5 |
| WNW | 2.9 | 5.4 | 4.0 | 1.2 | .1 | .0 | | | | | | 13.6 | 6.3 |
| NW | 5.8 | 6.9 | 5.4 | .8 | .0 | | | | | | | 19.0 | 5.5 |
| NNW | 3.6 | 5.6 | 2.5 | .4 | | | | | | | | 12.0 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.4 | |
| | 21.0 | 31.0 | 23.0 | 6.7 | .7 | .1 | .0 | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS

2679

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.3 | 1.2 | .4 | | | | | | | | | 3.9 | 3.8 |
| NNE | .6 | .6 | .1 | .0 | | | | | | | | 1.3 | 4.3 |
| NE | 1.4 | .7 | .1 | .0 | | | | | | | | 2.3 | 3.6 |
| ENE | 1.0 | .3 | .2 | .0 | | | | | | | | 1.6 | 4.2 |
| E | 2.5 | 1.2 | .6 | .2 | | | | | | | | 4.4 | 4.3 |
| ESE | 1.6 | 1.4 | .6 | .2 | .0 | | | | | | | 4.1 | 4.7 |
| SE | 2.2 | 1.4 | 1.2 | .1 | | .0 | | | | | | 5.0 | 5.1 |
| SSE | 1.7 | .6 | .3 | | | | | | | | | 2.5 | 3.9 |
| S | 1.5 | 1.1 | .3 | .2 | | | | | | | | 3.1 | 4.5 |
| SSW | 1.1 | 2.1 | 1.4 | .5 | .1 | | | | | | | 5.2 | 6.4 |
| SW | 1.9 | 2.9 | 3.3 | .3 | | | | | | | | 8.3 | 6.0 |
| WSW | .8 | 1.8 | 1.4 | .3 | .0 | | | | | | | 4.4 | 6.3 |
| W | 1.6 | 1.6 | 1.2 | .2 | .0 | | | | | | | 4.6 | 5.4 |
| WNW | 1.2 | 1.4 | .4 | .1 | | | | | | | | 3.1 | 4.8 |
| NW | 1.6 | 1.2 | .6 | .0 | .0 | | | | | | | 3.4 | 4.7 |
| NNW | 1.7 | .6 | .2 | .1 | | | | | | | | 2.6 | 3.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.3 | |
| | 25.0 | 20.1 | 12.1 | 2.3 | .3 | .0 | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS

2360

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60, 62-65, 68-74
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .2 | | | | | | | | | | .7 | 3.3 |
| NNE | .1 | .2 | .1 | | | | | | | | | .5 | 5.0 |
| NE | .4 | .6 | .1 | | | | | | | | | 1.1 | 4.5 |
| ENE | 1.0 | 1.6 | .3 | | | | | | | | | 2.9 | 4.4 |
| E | 2.9 | 3.1 | 1.1 | .3 | | .0 | | | | | | 7.4 | 4.8 |
| ESE | 3.7 | 5.8 | 3.1 | .4 | | | | | | | | 13.0 | 5.3 |
| SE | 3.8 | 5.1 | 3.0 | .6 | | | | | | | | 12.5 | 5.3 |
| SSE | 2.1 | 1.8 | 1.3 | .2 | .1 | | | | | | | 5.6 | 5.5 |
| S | 1.7 | 1.9 | .5 | .1 | .0 | | | | | | | 4.3 | 4.7 |
| SSW | 1.4 | .9 | 1.0 | .2 | .0 | | | | | | | 3.7 | 5.6 |
| SW | 1.1 | .9 | 1.3 | .3 | | | | | | | | 3.7 | 6.1 |
| WSW | .7 | .4 | .3 | .0 | .0 | | | | | | | 1.5 | 5.2 |
| W | .4 | .4 | .2 | | | | | | | | | 1.1 | 4.4 |
| WNW | .2 | .2 | | | | | | | | | | .4 | 3.6 |
| NW | .5 | .4 | .1 | | | | | | | | | 1.0 | 4.3 |
| NNW | .5 | .3 | .1 | | | | | | | | | .9 | 3.9 |
| VARBL | | | | | | | | | | | | | |
| CAL/A | | | | | | | | | | | | 39.6 | |
| | 21.2 | 24.1 | 12.5 | 2.3 | .2 | .0 | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS

2016

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .2 | .0 | .0 | | | | | | | | .4 | 5.9 |
| NNE | .3 | .2 | .3 | .0 | | | | | | | | .8 | 5.5 |
| NE | .3 | .3 | .2 | | | | | | | | | .8 | 4.6 |
| ENE | .7 | 1.6 | .4 | | | | | | | | | 2.7 | 4.7 |
| E | 3.1 | 9.9 | 4.6 | .2 | | | | | | | | 17.7 | 5.4 |
| ESE | 3.5 | 13.2 | 7.6 | .8 | | | | | | | | 27.0 | 6.1 |
| SE | 3.7 | 9.1 | 9.1 | .6 | .0 | | | | | | | 22.5 | 6.1 |
| SSE | 1.6 | 2.4 | .9 | .0 | | | | | | | | 4.8 | 4.8 |
| S | .5 | .4 | .7 | | | | | | | | | 1.6 | 5.4 |
| SSW | .2 | .3 | .1 | .0 | | | | | | | | .6 | 5.5 |
| SW | .3 | .3 | .5 | .1 | | | | | | | | 1.2 | 6.7 |
| WSW | .3 | .0 | .1 | | | | | | | | | .4 | 4.8 |
| W | .1 | .3 | | | | | | | | | | .4 | 4.2 |
| WNW | .1 | .1 | .0 | | | | | | | | | .2 | 4.4 |
| NW | .2 | .2 | | .0 | | | | | | | | .4 | 4.8 |
| NNW | .2 | .2 | .0 | | | | | | | | | .5 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.9 | |
| | 15.0 | 38.6 | 26.6 | 1.9 | .0 | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 2252

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 JUN
STATION NAME YEARS MONTH
ALL WEATHER 0600-0800
CLASS HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .2 | .1 | .0 | | | | | | | | .5 | 5.5 |
| NNE | .1 | .1 | .1 | | | | | | | | | .4 | 5.1 |
| NE | .1 | .2 | .1 | .1 | | | | | | | | .4 | 5.7 |
| ENE | .8 | 1.0 | .1 | | | | | | | | | 1.9 | 4.1 |
| E | 2.5 | 5.9 | 3.7 | .4 | | | | | | | | 12.5 | 5.7 |
| ESE | 3.3 | 10.5 | 11.0 | 1.3 | .0 | | | | | | | 26.1 | 6.5 |
| SE | 3.0 | 10.9 | 14.0 | 1.7 | .0 | | | | | | | 29.5 | 6.8 |
| SSE | 1.5 | 2.9 | 2.4 | .3 | | | | | | | | 7.1 | 5.8 |
| S | .7 | .5 | .5 | .1 | | | | | | | | 1.8 | 5.4 |
| SSW | .5 | .3 | .4 | .1 | | | | | | | | 1.3 | 6.0 |
| SW | .2 | .4 | .5 | .1 | .0 | | | | | | | 1.3 | 6.8 |
| WSW | .3 | .3 | .1 | | | | | | | | | .7 | 4.4 |
| W | .3 | .1 | .2 | | | | | | | | | .5 | 5.1 |
| WNW | .1 | .1 | .2 | | | | | | | | | .4 | 5.6 |
| NW | .4 | .3 | .0 | .0 | | | | | | | | .8 | 4.7 |
| NNW | .2 | .0 | .1 | .0 | | | | | | | | .4 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALA | | | | | | | | | | | | 14.3 | |
| | 14.1 | 33.9 | 33.5 | 4.1 | .1 | | | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 2722

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .1 | .1 | .1 | .0 | | | | | | | .7 | 6.5 |
| NNE | .1 | .2 | .1 | .0 | | | | | | | | .5 | 5.3 |
| NE | .2 | .2 | .1 | | .0 | | | | | | | .5 | 5.3 |
| ENE | .4 | .1 | | .0 | | | | | | | | .6 | 3.6 |
| E | .9 | .5 | .5 | .2 | | | | | | | | 1.9 | 5.2 |
| ESE | 1.4 | 1.6 | 1.0 | .4 | .1 | .0 | | | | | | 4.4 | 6.0 |
| SE | 2.1 | 4.2 | 3.7 | .7 | .0 | | | | | | | 10.8 | 6.2 |
| SSE | 2.4 | 4.1 | 2.8 | .6 | | | | | | | | 10.0 | 5.8 |
| S | 2.3 | 4.1 | 2.2 | | .2 | | | | | | | 9.3 | 6.0 |
| SSW | 1.9 | 2.1 | 2.0 | .8 | .0 | | | | | | | 6.8 | 6.3 |
| SW | 1.8 | 2.5 | 1.7 | .6 | .0 | | | | | | | 6.6 | 6.0 |
| WSW | 1.5 | 2.4 | 1.7 | .2 | .0 | | | | | | | 5.8 | 5.8 |
| W | 2.4 | 3.3 | 1.1 | .1 | .0 | .0 | | | | | | 7.0 | 5.0 |
| WNW | 1.7 | 2.3 | 1.5 | .1 | | | | | | | | 5.7 | 5.2 |
| NW | 1.1 | 1.5 | .5 | | | | | | | | | 3.2 | 4.5 |
| NNW | .3 | .5 | .3 | | | | | | | | | 1.1 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.3 | |
| | 20.9 | 29.6 | 19.4 | 4.3 | .5 | .1 | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 2886

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 JUN
STATION STATION NAME YEARS MONTH
ALL WEATHER 1200-1400
CZSS HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .3 | .4 | .0 | .0 | | | | | | | 1.2 | 5.8 |
| NNE | .2 | .1 | .2 | .1 | | | | | | | | .7 | 6.5 |
| NE | .1 | .1 | .1 | .1 | | | | | | | | .4 | 6.9 |
| ENE | .2 | .2 | .2 | .0 | | | | | | | | .6 | 5.5 |
| E | .1 | .3 | .3 | .1 | | | | | | | | .8 | 7.3 |
| ESE | .2 | .4 | .3 | .2 | | .0 | | | | | | 1.1 | 7.5 |
| SE | .7 | .8 | .8 | .3 | | | | | | | | 2.6 | 6.5 |
| SSE | .4 | 1.1 | 1.5 | .2 | | | | | | | | 3.2 | 6.6 |
| S | .6 | 1.6 | 1.9 | .7 | .2 | | | | | | | 5.0 | 7.6 |
| SSW | .9 | 1.6 | 3.2 | 1.0 | .6 | .1 | | | | | | 7.4 | 8.5 |
| SW | 1.1 | 2.6 | 3.8 | 1.5 | .3 | | | | | | | 9.4 | 7.8 |
| WSW | 1.2 | 5.4 | 4.7 | 1.8 | .2 | | | | | | | 13.3 | 7.3 |
| W | 2.1 | 8.0 | 9.6 | 1.4 | .1 | | | | | | | 21.3 | 6.9 |
| WNW | 1.4 | 5.8 | 7.0 | .8 | .1 | | | | | | | 15.1 | 6.9 |
| NW | 1.1 | 3.3 | 3.0 | .4 | | | | | | | | 7.8 | 6.4 |
| NNW | .4 | 1.6 | .9 | .0 | .0 | | | | | | | 2.9 | 6.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 7.1 | |
| | 11.3 | 33.3 | 38.0 | 8.6 | 1.5 | .1 | | | | | | 100.0 | 6.6 |

TOTAL NUMBER OF OBSERVATIONS 2884

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .9 | .7 | .1 | | | | | | | | 2.0 | 6.0 |
| NNE | .1 | .3 | .1 | .0 | | | | | | | | .5 | 5.5 |
| NE | .1 | .1 | .2 | .0 | .0 | | | | | | | .5 | 8.0 |
| ENE | .0 | .1 | .2 | .0 | | .0 | | | | | | .5 | 8.4 |
| E | .1 | .1 | .1 | .1 | | | .0 | | | | | .5 | 9.1 |
| ESE | | .2 | .2 | .2 | | | | | | | | .6 | 8.7 |
| SE | .1 | .3 | .2 | .0 | | .0 | | | | | | .7 | 7.6 |
| SSE | .0 | .2 | .3 | .1 | .0 | | | | | | | .6 | 8.2 |
| S | .2 | .3 | .6 | .2 | .0 | .0 | | | | | | 1.4 | 8.0 |
| SSW | .1 | .7 | 1.0 | 1.2 | .4 | .1 | | | | | | 3.6 | 10.9 |
| SW | .4 | 1.5 | 2.9 | 1.9 | .7 | .0 | | | | | | 7.4 | 9.8 |
| WSW | .4 | 2.0 | 4.0 | 1.9 | .4 | .1 | | | | | | 9.6 | 8.7 |
| W | 1.4 | 6.3 | 11.9 | 3.0 | .1 | | | | | | | 22.7 | 7.8 |
| WNW | 1.1 | 7.0 | 11.2 | 3.9 | .0 | | | | | | | 23.1 | 8.0 |
| NW | 1.5 | 4.9 | 8.9 | 1.7 | .1 | | | | | | | 17.1 | 7.5 |
| NNW | .5 | 2.4 | 2.9 | .4 | | | | | | | | 6.2 | 6.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 3.0 | |
| | 6.4 | 28.0 | 45.5 | 14.7 | 1.9 | .3 | .0 | | | | | 100.0 | 7.8 |

TOTAL NUMBER OF OBSERVATIONS 2805

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | 2.0 | .9 | .1 | .0 | | | | | | | 4.4 | 4.9 |
| NNE | .4 | .3 | .2 | .1 | .0 | | | | | | | 1.0 | 6.6 |
| NE | .2 | .3 | .1 | .2 | | | | | | | | .7 | 7.0 |
| ENE | .1 | | .2 | .0 | .0 | | | | | | | .3 | 9.3 |
| E | .2 | .2 | .3 | .1 | .1 | .1 | | | | | | .9 | 10.1 |
| ESE | .0 | .2 | .1 | .1 | .1 | .0 | | | | | | .6 | 10.2 |
| SE | .1 | .3 | .2 | .2 | .1 | .1 | | | | | | 1.0 | 10.1 |
| SSE | .2 | .2 | .2 | .1 | .0 | .0 | | | | | | .7 | 8.0 |
| S | .2 | .2 | .2 | .2 | .2 | .0 | | | | | | 1.0 | 10.2 |
| SSW | .2 | .2 | .7 | .5 | .3 | .0 | | | | | | 2.0 | 10.9 |
| SW | .7 | .8 | 1.8 | 1.6 | .2 | .0 | | | | | | 5.2 | 9.3 |
| WSW | .9 | 1.7 | 2.0 | .7 | .2 | | | | | | | 5.5 | 7.3 |
| W | 1.8 | 4.8 | 4.3 | .9 | .1 | | | | | | | 11.8 | 6.6 |
| WNW | 2.0 | 5.4 | 6.2 | 1.1 | .0 | | | | | | | 14.8 | 6.7 |
| NW | 4.5 | 8.9 | 7.3 | 1.0 | .1 | | | | | | | 21.9 | 6.0 |
| NNW | 4.1 | 6.3 | 3.9 | .5 | | | | | | | | 14.7 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 13.6 | |
| | 16.8 | 31.1 | 28.5 | 7.3 | 1.5 | .4 | | | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS

2599

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.8 | 1.1 | .3 | .0 | | | | | | | | 3.3 | 4.0 |
| NNE | .8 | .6 | .3 | .0 | | | | | | | | 1.7 | 4.8 |
| NE | .5 | .4 | .1 | .1 | | | | | | | | 1.1 | 4.7 |
| ENE | .8 | .5 | .3 | .0 | | | | | | | | 1.6 | 4.4 |
| E | 2.0 | 1.6 | .5 | .0 | | | | | | | | 4.1 | 4.2 |
| ESE | 2.0 | 1.4 | .7 | .2 | .1 | | | | | | | 4.3 | 5.1 |
| SE | 2.1 | 1.7 | .9 | .5 | .1 | .1 | | | | | | 5.3 | 5.8 |
| SSE | 1.2 | .5 | .4 | .2 | | | | | | | | 2.3 | 5.0 |
| S | 1.0 | 1.1 | .5 | .2 | .0 | .0 | | | | | | 2.8 | 5.7 |
| SSW | .8 | 1.4 | 1.3 | .5 | .2 | | | | | | | 4.2 | 7.0 |
| SW | 1.7 | 3.1 | 2.3 | .5 | .0 | | | | | | | 7.6 | 6.2 |
| WSW | .9 | 1.4 | 1.3 | .1 | .1 | | | | | | | 3.8 | 6.0 |
| W | 1.1 | 2.1 | .7 | | | | | | | | | 3.9 | 4.8 |
| WNW | 1.2 | 1.8 | .6 | | | | | | | | | 3.6 | 4.7 |
| NW | 1.9 | 2.5 | .7 | .1 | | | | | | | | 5.2 | 4.7 |
| NNW | 2.1 | 1.3 | .5 | | .0 | | | | | | | 4.0 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 41.1 | |
| | 21.9 | 22.5 | 11.3 | 2.6 | .6 | .1 | | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS

2377

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-65,60-72,74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .6 | .4 | .1 | .0 | | | | | | | 1.7 | 5.9 |
| NNE | .5 | .4 | .4 | .2 | | | | | | | | 1.5 | 6.3 |
| NE | .8 | .7 | .4 | .1 | .0 | | | | | | | 2.1 | 5.5 |
| ENE | .7 | .7 | .7 | .1 | .0 | | | | | | | 2.3 | 5.7 |
| E | 3.5 | 2.9 | 2.3 | .2 | .1 | .0 | | | | | | 9.1 | 5.6 |
| ESE | 3.1 | 4.0 | 5.0 | 1.9 | .5 | | .0 | | | | | 14.5 | 7.2 |
| SE | 3.6 | 5.3 | 6.5 | 1.5 | .5 | | | .0 | | | | 17.6 | 7.0 |
| SSE | 1.3 | 2.1 | 2.6 | .8 | .2 | .0 | | | | | | 7.1 | 7.0 |
| S | 1.3 | 1.3 | 1.0 | .5 | | | | | | | | 4.0 | 6.0 |
| SSW | .6 | 1.1 | .4 | .4 | | | | | | | | 2.5 | 6.1 |
| SW | .9 | 1.1 | .6 | .2 | .0 | | | | | | | 2.8 | 5.6 |
| WSW | .8 | .4 | .2 | | | | | | | | | 1.4 | 4.4 |
| W | .6 | .7 | .4 | .0 | | | | | | | | 1.8 | 5.3 |
| WNW | .5 | .2 | .2 | | | | | | | | | 1.0 | 4.4 |
| NW | .8 | .5 | .4 | .1 | .0 | | | | | | | 2.0 | 5.8 |
| NNW | .4 | .4 | .5 | .0 | | | | | | | | 1.3 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.3 | |
| | 19.9 | 22.6 | 22.2 | 6.3 | 1.6 | .1 | .0 | .0 | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS

2079

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .4 | .2 | .0 | | | | | | | | 1.2 | 4.7 |
| NNE | .5 | .3 | .1 | | | | | | | | | .8 | 3.7 |
| NE | .9 | .9 | .3 | | | | | | | | | 2.1 | 4.4 |
| ENE | 1.3 | 1.6 | .7 | .0 | | | | | | | | 3.6 | 4.8 |
| E | 3.5 | 6.8 | 3.6 | .4 | | | | | | | | 14.3 | 5.5 |
| ESE | 3.2 | 8.2 | 6.6 | .9 | .1 | | | | | | | 19.0 | 6.2 |
| SE | 3.3 | 7.3 | 8.7 | 1.4 | | | | | | | | 20.7 | 6.5 |
| SSE | 1.3 | 2.4 | 2.0 | .3 | .0 | | | | | | | 6.0 | 6.0 |
| S | .7 | 1.1 | .4 | .1 | | | | | | | | 2.3 | 5.3 |
| SSW | .7 | | .3 | .2 | | | | | | | | 1.6 | 5.6 |
| SW | .6 | .6 | .3 | .0 | .0 | | | | | | | 1.6 | 5.3 |
| WSW | .3 | .2 | .1 | | | | | | | | | .6 | 4.0 |
| W | .6 | .5 | .2 | | | | | | | | | 1.3 | 4.1 |
| WNW | .6 | .3 | .1 | | | | | | | | | .4 | 5.0 |
| NW | .3 | .5 | .1 | .0 | | | | | | | | 1.0 | 4.9 |
| NNW | .6 | .3 | .3 | | | | | | | | | 1.2 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 22.4 | |
| | 18.5 | 31.6 | 23.9 | 3.4 | .2 | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS

2307

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 5 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .3 | .3 | | | | | | | | | 1.0 | 4.8 |
| NNE | .3 | .3 | .1 | .0 | | | | | | | | .7 | 5.0 |
| NE | .6 | .8 | .4 | | | | | | | | | 1.7 | 4.5 |
| ENE | .9 | 1.0 | .1 | | | | | | | | | 2.0 | 3.9 |
| E | 2.3 | 5.3 | 3.0 | .3 | .0 | | | | | | | 11.0 | 5.6 |
| ESE | 3.1 | 8.5 | 8.4 | 1.1 | .0 | | | | | | | 21.1 | 6.4 |
| SE | 3.6 | 9.3 | 9.9 | 1.5 | .1 | | | | | | | 24.3 | 6.5 |
| SSE | 1.7 | 2.7 | 2.0 | .2 | | | | | | | | 6.6 | 5.6 |
| S | .8 | 1.1 | .5 | | | | | | | | | 2.4 | 4.8 |
| SSW | .2 | .4 | .3 | .0 | | | | | | | | .9 | 5.5 |
| SW | .5 | .8 | .3 | .0 | | | | | | | | 1.6 | 4.8 |
| WSW | .5 | .5 | .3 | | | | | | | | | 1.3 | 4.5 |
| W | .5 | 1.0 | .3 | | | | | | | | | 1.8 | 4.6 |
| WNW | .4 | .5 | .1 | | | | | | | | | 1.0 | 4.1 |
| NW | .4 | .5 | .5 | | | | | | | | | 1.3 | 5.2 |
| NNW | .5 | .2 | .3 | .0 | | | | | | | | 1.0 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 20.4 | |
| | 16.7 | 32.9 | 26.7 | 3.2 | .1 | | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS

2789

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L S T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .3 | .2 | .1 | | | | | | | | 1.3 | 4.1 |
| NNE | .2 | .2 | .1 | | | | | | | | | .5 | 4.6 |
| NE | .4 | .3 | .1 | .0 | | | | | | | | .8 | 4.2 |
| ENE | .4 | .2 | .1 | .1 | | | | | | | | .8 | 4.3 |
| E | 1.0 | 1.0 | .2 | .1 | | | | | | | | 2.3 | 4.4 |
| ESE | 1.3 | 1.9 | 1.6 | .5 | | | | | | | | 5.3 | 6.4 |
| SE | 2.2 | 3.7 | 3.9 | 1.1 | .1 | | | | | | | 10.9 | 6.5 |
| SSE | 2.1 | 3.6 | 2.7 | .4 | .0 | | | | | | | 8.8 | 5.8 |
| S | 2.3 | 3.2 | 1.3 | .1 | | | | | | | | 6.9 | 4.8 |
| SSW | 1.0 | 1.6 | .7 | | | | | | | | | 3.3 | 4.9 |
| SW | 1.8 | 2.1 | .9 | .1 | .0 | | | | | | | 5.0 | 4.9 |
| WSW | 1.4 | 3.4 | 1.0 | | | | | | | | | 5.9 | 4.8 |
| W | 2.8 | 5.2 | 2.2 | .1 | | | | | | | | 10.2 | 5.0 |
| WNW | 1.8 | 3.6 | 2.7 | .1 | | | | | | | | 8.3 | 5.6 |
| NW | 1.3 | 2.3 | 2.2 | .4 | | | | | | | | 6.3 | 6.1 |
| NNW | .9 | .6 | .6 | .2 | | | | | | | | 2.2 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.1 | |
| | 21.7 | 33.2 | 20.5 | 3.3 | .1 | | | | | | | 100.0 | 4.3 |

TOTAL NUMBER OF OBSERVATIONS 2942

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .2 | .2 | | | | | | | | | .7 | 4.5 |
| NNE | .3 | .1 | .1 | | | | | | | | | .5 | 4.1 |
| NE | .2 | .1 | .1 | | | | | | | | | .3 | 4.9 |
| ENE | .1 | .0 | .1 | .0 | | | | | | | | .2 | 6.9 |
| E | .3 | .3 | .2 | .0 | | | | | | | | .8 | 5.0 |
| ESE | .2 | .4 | .3 | .1 | .0 | | | | | | | 1.1 | 7.0 |
| SE | .4 | 1.2 | .8 | .2 | .1 | | | | | | | 2.7 | 6.8 |
| SSE | .6 | 1.0 | 1.1 | .3 | .0 | | | | | | | 3.0 | 6.4 |
| S | .7 | 1.2 | 1.3 | .2 | .0 | | | | | | | 3.4 | 6.2 |
| SSW | .7 | 1.4 | .9 | .1 | | | | | | | | 3.1 | 5.8 |
| SW | 1.1 | 1.9 | 1.9 | .1 | .1 | | | | | | | 5.0 | 6.0 |
| WSW | 1.2 | 4.5 | 3.9 | .4 | | | | | | | | 9.9 | 6.3 |
| W | 2.2 | 10.1 | 13.1 | 1.2 | .0 | | | | | | | 26.6 | 6.9 |
| WNW | 1.5 | 6.1 | 11.4 | 1.7 | .1 | | | | | | | 20.7 | 7.4 |
| NW | 1.3 | 4.4 | 5.6 | .8 | | | | | | | | 12.1 | 6.9 |
| NNW | .6 | 1.4 | 1.4 | .2 | | | | | | | | 3.6 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.3 | |
| | 11.6 | 34.1 | 42.3 | 5.4 | .4 | | | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 2952

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .5 | .4 | .1 | .1 | | | | | | | 1.6 | 6.2 |
| NNE | .2 | .1 | .3 | .0 | .0 | | | | | | | .7 | 7.1 |
| NE | .2 | .1 | .2 | .1 | .0 | .1 | | | | | | .7 | 10.1 |
| ENE | .1 | .1 | .1 | | .1 | .1 | | | | | | .5 | 10.9 |
| E | .1 | .2 | .3 | | .0 | | .0 | | | | | .6 | 8.8 |
| ESE | .0 | .2 | .4 | .2 | .0 | .1 | | .0 | | | | 1.0 | 10.8 |
| SE | .2 | .5 | .7 | .2 | .1 | | .0 | | | | | 1.6 | 8.4 |
| SSE | | .2 | .5 | .2 | .0 | | | | | | | 1.0 | 8.8 |
| S | .3 | .4 | .5 | .2 | .0 | | | | | | | 1.4 | 6.7 |
| SSW | .2 | .5 | .4 | .1 | | | | | | | | 1.2 | 6.5 |
| SW | .4 | 1.1 | .9 | .3 | .1 | | | | | | | 2.8 | 6.8 |
| WSW | .5 | 2.0 | 2.0 | .2 | | | | | | | | 4.6 | 6.5 |
| W | 1.5 | 8.1 | 10.9 | 2.2 | .0 | | | | | | | 22.8 | 7.3 |
| WNW | 1.6 | 7.6 | 13.9 | 4.5 | .2 | | | | | | | 27.8 | 8.0 |
| NW | 1.5 | 5.8 | 12.3 | 2.3 | .1 | | .0 | | | | | 22.0 | 7.8 |
| NNW | .7 | 1.9 | 2.8 | .4 | .0 | | | | | | | 5.8 | 6.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 4.0 | |
| | 8.0 | 29.3 | 46.4 | 11.1 | .9 | .2 | .1 | .0 | | | | 100.0 | 7.3 |

TOTAL NUMBER OF OBSERVATIONS 2854

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23'04
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .9 | 1.2 | 1.3 | .6 | .2 | .1 | .1 | | | | | 4.4 | 8.1 |
| NNE | .3 | .5 | .6 | .6 | .2 | .1 | .0 | | | | | 2.3 | 10.2 |
| NE | .1 | .2 | .5 | .8 | .2 | .1 | .0 | | | | | 2.0 | 12.1 |
| ENE | .1 | .1 | .4 | .4 | .2 | .1 | | | | | | 1.3 | 11.6 |
| E | .2 | .3 | .6 | .7 | .2 | .1 | .0 | .0 | | | | 2.7 | 11.5 |
| ESE | .1 | .7 | .8 | .7 | .3 | .1 | .1 | | | | | 2.8 | 11.0 |
| SE | .2 | 1.0 | 1.2 | 1.0 | .2 | .0 | | .0 | | | | 3.6 | 9.9 |
| SSE | .1 | .7 | .6 | .4 | .4 | .1 | .0 | | | | | 2.4 | 10.3 |
| S | .5 | .7 | .0 | .2 | .1 | .1 | | | | | | 2.3 | 7.8 |
| SSW | .2 | .4 | .3 | .3 | .1 | .0 | | | | | | 1.3 | 8.5 |
| SW | .7 | .8 | .9 | .3 | .1 | .1 | | | | | | 3.0 | 7.4 |
| WSW | .9 | 1.6 | .6 | .2 | .0 | .0 | | | | | | 3.4 | 5.7 |
| W | 2.7 | 5.4 | 3.3 | .3 | .0 | | | | | | | 11.7 | 5.6 |
| WNW | 2.8 | 6.8 | 5.3 | .8 | .1 | | | | | | | 15.9 | 6.1 |
| NW | 4.0 | 6.9 | 6.2 | .9 | .0 | | | | | | | 18.0 | 6.0 |
| NNW | 1.9 | 3.5 | 2.5 | .4 | | .0 | | | | | | 8.3 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.0 | |
| | 15.9 | 30.9 | 25.8 | 8.6 | 2.4 | 1.0 | .3 | .1 | | | | 100.0 | 6.1 |

TOTAL NUMBER OF OBSERVATIONS 2673

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | .9 | .9 | .3 | .0 | | | | | | | 3.3 | 6.1 |
| NNE | .5 | .4 | .5 | .2 | | | | | | | | 1.7 | 6.6 |
| NE | .6 | .9 | .7 | .2 | .1 | .0 | | | | | | 2.5 | 7.0 |
| ENE | .2 | .6 | .7 | .0 | .0 | | .0 | | | | | 1.7 | 7.2 |
| E | 1.1 | .9 | 1.2 | .7 | .2 | .1 | .1 | | | | | 4.2 | 8.1 |
| ESE | 1.6 | 2.4 | 1.9 | .9 | .7 | .2 | | | | | | 7.7 | 8.0 |
| SE | 1.8 | 2.7 | 4.7 | 2.3 | .7 | .1 | .0 | .1 | | | | 12.1 | 8.5 |
| SSE | .9 | 1.9 | 2.2 | 1.2 | .3 | .1 | | | | | | 6.5 | 8.2 |
| S | 1.5 | 1.7 | 1.3 | .5 | .2 | | .1 | | | | | 5.3 | 6.8 |
| SSW | .7 | 1.6 | .8 | .6 | .3 | .0 | .0 | | | | | 4.0 | 7.9 |
| SW | .9 | 1.9 | 1.3 | .3 | .0 | .0 | | | | | | 4.5 | 6.4 |
| WSW | .5 | 1.2 | .5 | .2 | | | | | | | | 2.5 | 6.0 |
| W | 1.6 | 1.1 | .2 | .1 | | .1 | | | | | | 3.1 | 4.5 |
| WNW | 1.0 | 1.2 | .7 | .1 | | | | | | | | 3.1 | 5.2 |
| NW | 1.6 | 1.9 | .5 | .1 | | | | | | | | 4.1 | 4.6 |
| NNW | 1.2 | 1.1 | .2 | .1 | .0 | | | | | | | 2.7 | 4.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.0 | |
| | 16.7 | 22.4 | 18.5 | 7.8 | 2.5 | .7 | .3 | .1 | | | | 100.0 | 4.9 |

TOTAL NUMBER OF OBSERVATIONS

2422

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-65,70-71,73-74
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .8 | .5 | .1 | | | | | | | | 1.9 | 5.6 |
| NNE | .4 | .4 | .6 | .1 | | | | | | | | 1.5 | 6.2 |
| NE | .7 | .4 | .4 | .2 | | .0 | | | | | | 1.8 | 6.1 |
| ENE | .9 | .8 | .4 | .1 | | | | | | | | 2.2 | 5.0 |
| E | 2.4 | 3.4 | 1.7 | .5 | .0 | | | .0 | | | | 8.2 | 5.5 |
| ESE | 2.6 | 4.4 | 4.0 | .4 | | .0 | | | | | | 11.4 | 5.9 |
| SE | 2.8 | 6.0 | 5.4 | 1.2 | .0 | .0 | | | | | | 16.1 | 6.3 |
| SSE | 1.9 | 2.7 | 1.7 | .7 | .1 | | | | | | | 7.1 | 6.1 |
| S | .9 | 1.4 | .8 | .1 | | | | | | | | 3.2 | 5.4 |
| SSW | .7 | 1.2 | .3 | .1 | .0 | | | | | | | 2.4 | 5.3 |
| SW | 1.3 | .9 | .4 | .1 | .1 | | | | | | | 2.8 | 5.0 |
| WSW | .9 | .5 | .3 | | .0 | | | | | | | 1.8 | 4.6 |
| W | .9 | .7 | .0 | .0 | | | | | | | | 1.6 | 3.3 |
| WNW | .3 | .2 | .4 | .1 | | | | | | | | 1.1 | 6.5 |
| NW | .7 | .7 | .3 | | | | | | | | | 1.7 | 4.2 |
| NNW | .8 | .2 | .5 | .2 | .0 | | | | | | | 1.8 | 5.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 33.5 | |
| | 18.7 | 25.3 | 17.8 | 4.1 | .4 | .1 | | .0 | | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 2068

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .6 | .2 | | | | | | | | | 1.2 | 4.6 |
| NNE | .5 | .5 | .1 | .1 | | | | | | | | 1.2 | 5.3 |
| NE | .7 | .9 | .2 | .1 | | | | | | | | 1.8 | 4.8 |
| ENE | 1.2 | 1.4 | .5 | .1 | .1 | | | | | | | 3.3 | 5.1 |
| E | 3.6 | 6.5 | 3.0 | .4 | .0 | | | | | | | 13.6 | 5.2 |
| ESE | 4.5 | 9.7 | 5.4 | .6 | | | | | | | | 20.2 | 5.6 |
| SE | 3.8 | 8.9 | 5.9 | .5 | .1 | | | | | | | 19.2 | 5.7 |
| SSE | 1.8 | 2.1 | 1.6 | .4 | .1 | | | | | | | 6.0 | 6.0 |
| S | .7 | .8 | .4 | | | .0 | | | | | | 1.9 | 5.2 |
| SSW | .5 | .4 | .2 | | | | | | | | | 1.1 | 4.3 |
| SW | .8 | .5 | .3 | .0 | | | | | | | | 1.6 | 4.4 |
| WSW | .3 | .2 | .2 | | | | | | | | | .7 | 4.4 |
| W | .3 | .3 | .0 | | | | | | | | | .7 | 4.2 |
| WNW | .1 | .3 | .1 | | | | | | | | | .5 | 4.7 |
| NW | .6 | .3 | .1 | | | | | | | | | 1.0 | 4.0 |
| NNW | .3 | .4 | .1 | | | | | | | | | .8 | 3.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.1 | |
| | 20.1 | 33.9 | 18.2 | 2.4 | .3 | .0 | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS

2336

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/HAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 15 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .4 | .1 | | | | | | | | | .8 | 4.2 |
| NNE | .5 | .2 | .2 | .0 | .0 | | | | | | | .9 | 5.2 |
| NE | .7 | .9 | .1 | .1 | | | | | | | | 1.8 | 4.6 |
| ENE | 1.1 | .9 | .3 | | .0 | .0 | | | | | | 2.4 | 4.6 |
| E | 3.5 | 6.7 | 3.8 | .1 | .0 | | | | | | | 14.1 | 5.2 |
| ESE | 4.0 | 10.2 | 6.2 | .7 | .1 | | | | | | | 21.2 | 5.8 |
| SE | 3.6 | 10.5 | 8.7 | 1.0 | .1 | .0 | | | | | | 23.9 | 6.1 |
| SSE | 1.8 | 2.7 | 2.5 | .2 | | | | | | | | 7.3 | 5.8 |
| S | 1.1 | .7 | .2 | .0 | | | | | | | | 2.0 | 4.1 |
| SSW | .4 | .6 | .2 | .1 | | | | | | | | 1.3 | 5.4 |
| SW | .2 | .5 | .2 | .0 | | | | | | | | .9 | 5.0 |
| WSW | .2 | .3 | .1 | | | | | | | | | .7 | 4.8 |
| W | .4 | .3 | .1 | | | | | | | | | .9 | 4.2 |
| WNW | .4 | .2 | .1 | | | | | | | | | .8 | 4.1 |
| NW | .4 | .4 | .2 | | .0 | | | | | | | 1.0 | 4.7 |
| NNW | .2 | .1 | .1 | .0 | | | | | | | | .5 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.6 | |
| | 18.9 | 35.7 | 23.1 | 2.4 | .3 | .1 | | | | | | 100.0 | 4.5 |

TOTAL NUMBER OF OBSERVATIONS

2879

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/IIAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION STATION NAME YEARS
AUG
MONTH
0900-1100
HOURS (L.S.T.)

ALL WEATHER
CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .3 | .1 | | | | | | | | | .9 | 4.0 |
| NNE | .4 | .2 | .1 | .0 | | | | | | | | .7 | 4.3 |
| NE | .4 | .3 | .2 | .1 | | | | | | | | .9 | 5.0 |
| ENE | .4 | .3 | .2 | | .0 | | | | | | | .9 | 4.8 |
| E | 1.2 | 1.3 | .8 | .3 | .0 | | | | | | | 3.6 | 5.6 |
| ESE | 1.2 | 2.5 | 1.8 | .6 | .1 | | | | | | | 6.2 | 6.4 |
| SE | 3.0 | 6.6 | 5.3 | .8 | .1 | | | | | | | 15.8 | 6.2 |
| SSE | 3.0 | 5.4 | 2.9 | .5 | | | | | | | | 11.8 | 5.5 |
| S | 2.6 | 3.1 | 1.2 | .1 | | | | | | | | 7.0 | 4.6 |
| SSW | 1.6 | 1.5 | .9 | .1 | .0 | | | | | | | 4.1 | 4.9 |
| SW | 1.9 | 1.7 | .3 | .1 | | | | | | | | 3.9 | 4.0 |
| WSW | 1.6 | 1.5 | .4 | | | | | | | | | 3.6 | 4.1 |
| W | 2.3 | 3.2 | .8 | .1 | | | | | | | | 6.4 | 4.5 |
| WNW | 1.1 | 2.3 | .8 | .0 | | | | | | | | 4.2 | 4.9 |
| NW | 1.5 | 1.5 | 1.1 | | | | | | | | | 4.1 | 4.8 |
| NNW | .4 | .5 | .3 | .0 | | | | | | | | 1.2 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.7 | |
| | 23.1 | 32.2 | 17.1 | 2.7 | .2 | | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 3045

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1200-1400
HOURS (L S T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .5 | .2 | .1 | | | .0 | | | | | 1.3 | 5.4 |
| NNE | .2 | .2 | .0 | .1 | | | | | | | | .5 | 4.8 |
| NE | .1 | .1 | .2 | .1 | | | | | | | | .5 | 6.6 |
| ENE | .2 | .2 | .0 | .0 | | | | | | | | .4 | 4.9 |
| E | .3 | .6 | .5 | .1 | | .0 | .0 | | | | | 1.5 | 7.1 |
| ESE | .5 | .7 | .7 | .1 | .0 | | | | | | | 2.0 | 6.2 |
| SE | .8 | 1.9 | 1.4 | .4 | .0 | | | | | | | 4.5 | 6.4 |
| SSE | .9 | 1.6 | 1.6 | .4 | .1 | | | | | | | 4.6 | 6.5 |
| S | 1.3 | 2.3 | 1.5 | .2 | | | | | | | | 5.3 | 5.5 |
| SSW | 1.0 | 1.8 | 1.2 | .2 | | | | | | | | 4.1 | 5.6 |
| SW | 1.1 | 3.6 | 1.8 | .1 | | | | | | | | 6.5 | 5.4 |
| WSW | 1.5 | 4.6 | 3.5 | .4 | | | | | | | | 10.0 | 6.1 |
| W | 2.5 | 11.0 | 8.1 | .5 | | | | | | | | 22.1 | 6.1 |
| WNW | 1.9 | 6.8 | 6.0 | .7 | | | | | | | | 15.5 | 6.3 |
| NW | 1.6 | 4.5 | 3.3 | .1 | | | | | | | | 9.4 | 5.8 |
| NNW | .9 | 1.0 | .6 | .2 | | | | | | | | 2.7 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 9.2 | |
| | 15.3 | 41.2 | 30.6 | 3.4 | .2 | .0 | .1 | | | | | 100.0 | 5.4 |

TOTAL NUMBER OF OBSERVATIONS 3026

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION STATION NAME YEARS
AUG
MONTH
ALL WEATHER
CLASS
1500-1700
HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | 1.1 | .6 | .1 | .0 | | | | | | | 2.3 | 6.0 |
| NNE | .2 | .1 | .2 | .0 | | | | | | | | .4 | 5.8 |
| NE | .2 | .1 | .2 | .0 | .1 | | | | | | | .5 | 7.4 |
| ENE | .1 | .1 | .2 | .0 | | .0 | | | | | | .4 | 8.8 |
| E | .2 | .2 | .1 | .1 | .1 | .0 | | | | | | .7 | 8.2 |
| ESE | .1 | .2 | .3 | .2 | .0 | .0 | | | | | | 1.0 | 9.0 |
| SE | .3 | .4 | .6 | .3 | .1 | .1 | | | | | | 1.9 | 8.9 |
| SSE | .5 | .7 | .8 | .2 | .0 | | | | | | | 2.2 | 7.0 |
| S | .4 | 1.0 | 1.0 | .2 | .1 | .0 | .0 | | | | | 2.7 | 7.6 |
| SSW | .4 | .7 | .6 | .2 | .0 | .0 | | | | | | 2.0 | 6.9 |
| SW | .9 | 1.6 | 1.0 | .4 | .1 | | | | | | | 4.0 | 6.4 |
| WSW | 1.1 | 2.9 | 2.6 | .3 | .0 | | | | | | | 6.9 | 6.3 |
| W | 2.0 | 9.0 | 10.5 | 1.3 | .0 | | | | | | | 22.9 | 6.7 |
| WNW | 2.4 | 8.9 | 11.7 | 1.0 | .0 | | | | | | | 24.0 | 6.8 |
| NW | 2.0 | 6.6 | 6.8 | .9 | .1 | | | | | | | 16.4 | 6.6 |
| NNW | .6 | 2.7 | 1.9 | .2 | .1 | | | | | | | 5.6 | 6.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.8 | |
| | 11.9 | 36.3 | 39.2 | 5.6 | .9 | .2 | .0 | | | | | 100.0 | 6.4 |

TOTAL NUMBER OF OBSERVATIONS 2940

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 AUG
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | 1.8 | .9 | .8 | .3 | .0 | | | | | | 5.3 | 6.9 |
| NNE | .3 | .6 | .9 | .7 | .1 | | | | | | | 2.7 | 8.6 |
| NE | .4 | .5 | .4 | .2 | .1 | .1 | .0 | | | | | 1.7 | 8.9 |
| ENE | .1 | .2 | .5 | .2 | .2 | | | | | | | 1.3 | 10.1 |
| E | .4 | .4 | .6 | .5 | .2 | .3 | .0 | | | .0 | | 2.4 | 11.7 |
| ESE | .6 | .6 | .9 | .6 | .3 | .1 | .1 | | | | | 3.2 | 9.5 |
| SE | .4 | .5 | 1.3 | 1.0 | .3 | .1 | | .0 | | | | 3.7 | 10.3 |
| SSE | .8 | .6 | .7 | .4 | .3 | .0 | .0 | .0 | | | | 2.9 | 8.6 |
| S | .6 | .8 | .5 | .3 | .1 | .1 | | | | | | 2.5 | 7.0 |
| SSW | .5 | .6 | .9 | .3 | .1 | | | | | | | 2.4 | 7.4 |
| SW | 1.0 | 1.2 | 1.2 | .4 | .1 | .0 | | | | | | 3.9 | 6.9 |
| WSW | 1.2 | 1.7 | .9 | .1 | | | | | | | | 4.0 | 5.1 |
| W | 2.6 | 5.1 | 1.8 | .1 | .1 | | | | | | | 9.7 | 5.0 |
| WNW | 3.5 | 4.7 | 4.0 | .4 | | | | | | | | 12.6 | 5.6 |
| NW | 3.9 | 6.3 | 3.5 | .2 | .0 | | | | | | | 14.0 | 5.3 |
| NNW | 2.1 | 2.7 | 1.0 | .3 | .2 | .0 | | | | | | 6.4 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.6 | |
| | 19.8 | 28.5 | 20.0 | 6.5 | 2.5 | .8 | .2 | .1 | | .0 | | 100.0 | 5.2 |

TOTAL NUMBER OF OBSERVATIONS 2770

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.6 | .8 | .9 | .2 | .1 | | | | | | | 3.7 | 5.7 |
| NNE | .7 | .7 | .5 | .2 | | | | | | | | 2.0 | 5.8 |
| NE | .8 | .8 | .7 | .1 | .3 | | | | | | | 2.7 | 6.9 |
| ENE | .9 | .7 | .5 | .2 | .1 | .2 | | | | | | 2.5 | 7.0 |
| E | 1.8 | 1.6 | 1.4 | .4 | .2 | | | | | | | 5.4 | 5.9 |
| ESE | 1.8 | 2.2 | 1.5 | .8 | .1 | .1 | .0 | .0 | | | | 6.5 | 6.7 |
| SE | 2.5 | 3.4 | 3.9 | 1.4 | .4 | .2 | .0 | | | | | 11.6 | 7.4 |
| SSE | 1.5 | 2.7 | 1.5 | 1.0 | .3 | .0 | | | | | | 7.0 | 7.0 |
| S | 1.7 | 1.2 | .6 | .4 | .2 | | | | | | | 4.1 | 5.7 |
| SSW | .8 | .9 | .5 | .4 | .1 | | | | | | | 2.6 | 6.5 |
| SW | 1.5 | 1.8 | 1.3 | .2 | | | | | | | | 4.6 | 5.6 |
| WSW | .4 | .8 | .5 | .1 | .0 | | | | | | | 1.8 | 6.4 |
| W | 1.1 | 1.0 | .5 | .1 | | | | | | | | 2.7 | 5.0 |
| WNW | .9 | .8 | .5 | | | | | | | | | 2.3 | 4.6 |
| NW | 1.5 | .8 | .6 | .1 | | | | | | | | 3.0 | 4.7 |
| NNW | 1.0 | .7 | .5 | .2 | | | | | | | | 2.5 | 5.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 5.1 | |
| | 20.2 | 20.9 | 15.9 | 5.6 | 1.8 | .5 | .1 | .0 | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 2438

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-65,72-74
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .4 | .3 | .1 | | | | | | | | 1.1 | 4.9 |
| NNE | .5 | .3 | .1 | | | | .1 | | | | | .8 | 5.6 |
| NE | 1.0 | .7 | .3 | .1 | | .1 | | | | | | 2.2 | 5.7 |
| ENE | 1.0 | 1.3 | .5 | | | | | | | | | 2.7 | 4.7 |
| E | 3.5 | 4.7 | 1.7 | .3 | | | | | | | | 10.1 | 4.8 |
| ESE | 4.6 | 5.5 | 4.3 | .5 | | | | | | | | 14.9 | 5.5 |
| SE | 5.2 | 6.9 | 5.7 | .3 | | | | | | | | 18.1 | 5.5 |
| SSE | 2.4 | 3.1 | 1.7 | .3 | | | | | | | | 7.5 | 5.3 |
| S | 1.6 | .8 | .4 | .1 | .1 | | | | | | | 2.9 | 4.4 |
| SSW | .5 | .1 | .3 | .2 | | | | | | | | 1.5 | 5.3 |
| SW | .7 | .6 | .1 | | | | | | | | | 1.3 | 4.0 |
| WSW | .5 | .1 | .2 | | | | | | | | | .7 | 3.9 |
| W | .6 | .1 | .1 | | | | | | | | | .8 | 3.4 |
| WNW | .2 | .2 | .2 | | | | | | | | | .6 | 5.3 |
| NW | .4 | .3 | | .1 | | | | | | | | .7 | 4.5 |
| NNW | .2 | .1 | .1 | | | | | | | | | .3 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 33.7 | |
| | 23.5 | 25.0 | 15.8 | 1.8 | .1 | .1 | .1 | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 1974

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .1 | .3 | .0 | | | | | | | | .8 | 5.4 |
| NNE | .4 | .3 | .2 | .0 | | | | | | | | .9 | 5.3 |
| NE | .8 | .8 | .5 | .0 | .0 | | | | | | | 2.2 | 5.5 |
| ENE | 1.0 | 1.8 | .9 | .0 | | | | | | | | 3.7 | 5.2 |
| E | 5.2 | 7.7 | 3.2 | .3 | | | | | | | | 16.4 | 4.8 |
| ESE | 5.6 | 8.6 | 6.3 | .4 | | | | | | | | 20.9 | 5.5 |
| SE | 5.2 | 9.2 | 5.4 | .4 | | | | | | | | 20.2 | 5.4 |
| SSE | 1.6 | 2.3 | .8 | .0 | | | | | | | | 4.8 | 4.6 |
| S | 1.0 | .6 | .3 | .0 | .0 | | | | | | | 2.0 | 4.6 |
| SSW | .4 | .3 | .1 | .0 | | | | | | | | .8 | 5.0 |
| SW | .3 | .3 | .1 | | .0 | | | | | | | .8 | 5.3 |
| WSW | .0 | .0 | .0 | .1 | | | | | | | | .2 | 9.4 |
| W | .4 | .2 | .0 | | | | | | | | | .6 | 3.7 |
| WNW | .0 | .2 | .1 | | | | | | | | | .3 | 5.1 |
| NW | .4 | .1 | .1 | | | | | | | | | .6 | 3.7 |
| NNW | .5 | .3 | .0 | .0 | | | | | | | | .9 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 23.9 | |
| | 23.1 | 32.8 | 18.5 | 1.6 | .1 | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS 2225

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION STATION NAME YEARS
ALL WEATHER
CLASS
0600-0100
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .1 | .2 | | | | | | | | | .6 | 5.5 |
| NNE | .3 | .1 | .3 | .0 | | | | | | | | .8 | 5.4 |
| NE | 1.1 | .7 | .7 | .1 | | | | | | | | 2.5 | 5.1 |
| ENE | 1.1 | 1.6 | .4 | .2 | | | | | | | | 3.4 | 5.0 |
| E | 4.1 | 8.4 | 3.3 | .3 | .0 | .0 | | | | | | 6.2 | 5.1 |
| ESE | 5.0 | 10.5 | 7.3 | .4 | .0 | | | | | | | 23.2 | 5.6 |
| SE | 3.9 | 10.0 | 7.1 | .6 | | | | | | | | 21.5 | 5.8 |
| SSE | 2.1 | 3.4 | 1.5 | .2 | | | | | | | | 7.2 | 5.0 |
| S | .6 | .9 | .3 | .1 | | | | | | | | 1.9 | 4.8 |
| SSW | .2 | .2 | | .1 | | | | | | | | .5 | 5.4 |
| SW | .6 | .2 | .0 | .1 | .0 | | | | | | | .9 | 4.9 |
| WSW | .1 | | .0 | | | | | | | | | .1 | 3.8 |
| W | .3 | .1 | .1 | | | | | | | | | .5 | 4.3 |
| WNW | .3 | .1 | .0 | | | | | | | | | .4 | 3.9 |
| NW | .2 | .2 | .1 | | | | | | | | | .6 | 4.5 |
| NN' | .3 | .3 | .1 | | | | | | | | | .7 | 4.3 |
| VARL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 19.2 | |
| | 20.5 | 36.7 | 21.5 | 2.0 | .1 | .0 | | | | | | 100.0 | 4.4 |

TOTAL NUMBER OF OBSERVATIONS 2708

2

DATA PROCESSING BRANCH
 FTAC/USAF
 AIR WEATHER SERVICE/4AC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 0900-1100
CLASS HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .2 | .2 | .1 | | .0 | | | | | | .9 | 6.4 |
| NNE | .3 | .2 | .1 | .1 | | | | | | | | .8 | 5.7 |
| NE | .3 | .2 | .4 | .2 | | | | | | | | 1.1 | 7.3 |
| ENE | .6 | .2 | .3 | .1 | .0 | | | | | | | 1.2 | 5.7 |
| E | 1.4 | 1.2 | 1.6 | 1.5 | .2 | | | | | | | 5.9 | 7.8 |
| ESE | 2.0 | 2.7 | 2.6 | 2.0 | .4 | | | | | | | 9.7 | 7.9 |
| SE | 3.6 | 5.9 | 5.8 | 1.7 | .2 | | | | | | | 17.2 | 6.7 |
| SSE | 2.9 | 4.6 | 4.4 | 1.0 | .1 | | | | | | | 13.0 | 6.2 |
| S | 2.3 | 2.8 | 1.9 | .1 | .0 | .0 | | | | | | 7.2 | 5.3 |
| SSW | 1.3 | .9 | .8 | .3 | .0 | | | | | | | 3.3 | 5.5 |
| SW | 1.4 | 1.2 | .6 | .3 | .0 | | | | | | | 3.5 | 5.2 |
| WSW | 1.0 | 1.2 | .4 | .1 | | | | | | | | 2.7 | 4.7 |
| W | 1.8 | 1.5 | .3 | | | | | | | | | 3.6 | 4.0 |
| WNW | 1.3 | .9 | .4 | | .0 | | | | | | | 2.7 | 4.2 |
| NW | 1.0 | .8 | .2 | .0 | | | | | | | | 2.1 | 4.2 |
| NNW | .4 | .5 | .1 | | | | | | | | | 1.0 | 4.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.1 | |
| | 21.9 | 25.1 | 20.2 | 7.6 | 1.1 | .1 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 2893

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .3 | .1 | .1 | .0 | | .0 | | | | | 1.2 | 6.4 |
| NNE | .0 | .2 | .1 | .3 | .1 | .0 | | | | | | .7 | 11.2 |
| NE | .2 | .2 | .1 | .1 | .1 | | | | | | | .7 | 8.2 |
| ENE | .2 | .1 | .2 | .1 | .0 | | | | | | | .7 | 7.7 |
| E | .4 | .8 | 1.2 | .7 | .1 | .0 | | | | | | 3.2 | 8.5 |
| ESE | .6 | 1.1 | 1.9 | 1.2 | .2 | .1 | | .0 | | | | 5.1 | 9.2 |
| SE | .8 | 2.0 | 2.7 | 1.2 | .2 | .1 | | | | | | 6.9 | 8.3 |
| SSE | 1.0 | 1.7 | 3.1 | 1.0 | .1 | | | | | | | 7.0 | 7.6 |
| S | 2.0 | 2.0 | 1.9 | .5 | .1 | | | | | | | 6.6 | 5.9 |
| SSW | .9 | 1.8 | 1.4 | .4 | .2 | | | | | | | 4.8 | 6.9 |
| SW | 1.8 | 2.8 | 1.9 | .4 | .1 | | | | | | | 7.0 | 6.0 |
| WSW | 1.7 | 3.9 | 2.7 | .3 | | .0 | | | | | | 8.6 | 5.8 |
| W | 3.3 | 8.1 | 4.8 | .1 | | | | | | | | 16.3 | 5.5 |
| WNW | 1.7 | 3.7 | 3.9 | .2 | .1 | | | | | | | 9.6 | 6.2 |
| NW | 2.0 | 3.2 | 2.0 | .1 | | | | | | | | 7.4 | 5.4 |
| NNW | .6 | 1.0 | .5 | | | | | | | | | 2.1 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 12.3 | |
| | 17.7 | 33.0 | 28.4 | 6.8 | 1.4 | .3 | .0 | .0 | | | | 100.0 | 5.7 |

TOTAL NUMBER OF OBSERVATIONS 2900

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .7 | .5 | .1 | .0 | .0 | | | | | | 2.2 | 6.0 |
| NNE | .0 | .3 | .2 | .4 | .1 | .0 | | | | | | 1.1 | 10.4 |
| NE | .1 | .3 | .4 | .2 | | .0 | | | | | | 1.1 | 8.6 |
| ENE | .1 | .2 | .0 | .1 | | | | | | | | .4 | 6.6 |
| E | .4 | .4 | 1.2 | .5 | .1 | .1 | | | | | | 2.7 | 8.9 |
| ESE | .4 | .5 | .7 | .6 | .3 | .1 | | | | | | 2.6 | 9.8 |
| SE | .4 | 1.0 | 1.6 | .8 | .3 | .1 | | | | | | 4.4 | 8.9 |
| SSE | .5 | .7 | 1.5 | .2 | .1 | | | | | | | 3.1 | 7.4 |
| S | .6 | 1.2 | 1.0 | .2 | .0 | | | | | | | 3.0 | 6.5 |
| SSW | .5 | .7 | 1.0 | .5 | .1 | .0 | .0 | | | | | 2.9 | 8.2 |
| SW | .8 | 1.7 | 1.5 | .9 | .1 | | | | | | | 5.0 | 7.4 |
| WSW | 1.0 | 3.3 | 2.5 | .5 | .0 | | | | | | | 7.3 | 6.3 |
| W | 3.1 | 10.2 | 7.2 | .5 | .0 | | | | | | | 21.2 | 6.0 |
| WHW | 2.2 | 7.4 | 8.1 | .4 | .0 | .0 | | | | | | 18.2 | 6.5 |
| NW | 2.5 | 5.6 | 5.1 | .5 | | | | | | | | 13.7 | 6.0 |
| NNW | .9 | 1.9 | 1.5 | .1 | .0 | | | | | | | 4.4 | 5.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 6.9 | |
| | 14.5 | 36.1 | 34.2 | 6.5 | 1.4 | .4 | .0 | | | | | 100.0 | 6.3 |

TOTAL NUMBER OF OBSERVATIONS 2810

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER
CLASS
CONDITION
1800-2000
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.0 | 1.7 | .9 | .2 | .1 | .0 | | | | | | 4.9 | 5.2 |
| NNE | .8 | .8 | .3 | .3 | .0 | .0 | .0 | | | | | 2.3 | 6.5 |
| NE | .8 | .8 | .3 | .3 | .1 | | | | | | | 2.3 | 6.3 |
| ENE | .6 | .5 | .5 | .2 | | | | | | | | 1.8 | 5.8 |
| E | .7 | 1.3 | .6 | .5 | .2 | | | | | | | 3.2 | 6.8 |
| ESE | .9 | 1.2 | .6 | .4 | .1 | .2 | .0 | | | | | 3.5 | 7.5 |
| SE | 1.0 | 1.3 | 1.1 | .4 | .2 | .1 | | | | | | 4.0 | 7.1 |
| SSE | .7 | .8 | .8 | .2 | .1 | .1 | | | | | | 2.7 | 7.4 |
| S | .6 | .5 | .3 | .2 | | .0 | | | .0 | | | 1.6 | 6.9 |
| SSW | .6 | .7 | .4 | .2 | .1 | | | | | | | 2.0 | 6.0 |
| SW | .7 | .9 | .7 | .3 | .1 | | | | | | | 2.7 | 6.4 |
| WSW | .8 | 1.4 | .4 | .2 | | | | | | | | 2.8 | 5.1 |
| W | 2.3 | 3.8 | .8 | .1 | .0 | | | | | | | 7.1 | 4.6 |
| WNW | 3.3 | 3.9 | 1.8 | .1 | .1 | | | | | | | 9.2 | 4.9 |
| NW | 4.3 | 4.7 | 1.6 | .1 | | | | | | | | 10.6 | 4.5 |
| NNW | 3.0 | 3.5 | 1.0 | | .0 | | | | | | | 7.6 | 4.5 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.7 | |
| | 23.1 | 28.0 | 12.1 | 3.5 | 1.0 | .5 | .1 | | .0 | | | 100.0 | 3.8 |

TOTAL NUMBER OF OBSERVATIONS 2608

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 SEP
STATION STATION NAME YEARS MONTH
ALL WEATHER 2100-2300
CLASS HOURS (L.S.T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | .9 | .3 | .1 | .0 | .0 | | | | | | 2.7 | 4.9 |
| NNE | .7 | .4 | .3 | .1 | | | .0 | | | | | 1.5 | 5.6 |
| NE | 1.1 | 1.1 | .4 | .2 | | | | | | | | 2.7 | 5.0 |
| ENE | 1.9 | 1.3 | .2 | .1 | | | | | | | | 3.6 | 4.0 |
| E | 4.0 | 2.5 | 1.1 | .2 | .1 | .1 | | | | | | 8.0 | 4.9 |
| ESE | 2.8 | 3.5 | 2.0 | .5 | .1 | | | | | | | 8.9 | 5.4 |
| SE | 4.4 | 4.1 | 2.5 | .9 | .1 | .1 | | | | | | 12.1 | 5.6 |
| SSE | 1.4 | 1.1 | 1.0 | .3 | .1 | | | | | | | 3.9 | 5.9 |
| S | 1.0 | 1.1 | .5 | .1 | .2 | | | | | | | 2.8 | 5.7 |
| SSW | .8 | .6 | .3 | .2 | | | | | | | | 2.4 | 5.9 |
| SW | 1.0 | 1.2 | .9 | .2 | | | | | | | | 3.4 | 5.6 |
| WSW | .4 | .4 | .1 | .1 | | | | | | | | 1.0 | 5.0 |
| W | .7 | .6 | .4 | .0 | .0 | | | | | | | 1.7 | 5.3 |
| WNW | .8 | .4 | .2 | .1 | .0 | | | | | | | 1.5 | 5.3 |
| NW | 1.0 | .5 | .4 | | | | | | | | | 1.9 | 4.0 |
| NNW | .7 | .8 | .1 | | | | | | | | | 1.6 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.2 | |
| | 23.8 | 20.6 | 11.1 | 3.2 | .7 | .2 | .0 | | | | | 100.0 | 3.1 |

TOTAL NUMBER OF OBSERVATIONS 2262

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60, 63-65, 72-74
YEARS

UCT
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .3 | | | | | | | | | | .3 | 4.2 |
| NNE | .4 | .2 | .1 | .1 | | | | | | | | .7 | 5.2 |
| NE | .4 | .5 | .3 | .1 | | | | | | | | 1.3 | 5.6 |
| ENE | .9 | 1.0 | .5 | .2 | | | | | | | | 2.5 | 5.4 |
| E | 3.0 | 5.0 | 2.8 | .3 | | | | | | | | 11.0 | 5.3 |
| ESE | 5.6 | 7.9 | 5.2 | .6 | .1 | | | | | | | 19.3 | 5.4 |
| SE | 6.4 | 8.2 | 4.4 | .5 | | | | | | | | 19.4 | 5.1 |
| SSE | 1.6 | 1.2 | 1.0 | | | | | | | | | 3.8 | 4.7 |
| S | 1.1 | .7 | .3 | | | | | | | | | 2.0 | 4.0 |
| SSW | .4 | .3 | .3 | .1 | | | | | | | | 1.0 | 5.4 |
| SW | .5 | .6 | .2 | .1 | | | | | | | | 1.3 | 4.9 |
| WSW | .2 | .3 | .1 | .1 | | | | | | | | .7 | 5.1 |
| W | .3 | .4 | .1 | .1 | | | | | | | | .8 | 4.8 |
| WNW | .2 | .1 | .3 | .1 | | | | | | | | .6 | 6.7 |
| NW | .4 | .3 | .1 | | | | | | | | | .7 | 4.1 |
| NNW | .2 | .1 | .1 | .1 | .1 | | | | | | | .4 | 8.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.1 | |
| | 21.5 | 27.1 | 15.3 | 2.0 | .1 | | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 1962

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | | | | | | | | | | | .1 | 2.7 |
| NNE | .2 | .1 | .2 | .0 | | | | | | | | .5 | 5.3 |
| NE | .4 | .8 | .2 | .2 | | | | | | | | 1.7 | 5.5 |
| ENE | 1.3 | 1.7 | .8 | .0 | | | | | | | | 3.8 | 5.0 |
| E | 5.0 | 8.3 | 4.2 | .3 | .1 | | | | | | | 17.9 | 5.2 |
| ESE | 5.0 | 9.6 | 7.5 | .8 | | | | | | | | 22.9 | 5.7 |
| SE | 5.1 | 6.7 | 5.5 | .4 | | | | | | | | 17.8 | 5.5 |
| SSE | 1.2 | 1.0 | .7 | | | | | | | | | 2.8 | 4.7 |
| S | .7 | .3 | .2 | | | | | | | | | 1.2 | 4.0 |
| SSW | .2 | .3 | .2 | | | | | | | | | .7 | 5.3 |
| SW | .2 | .4 | .1 | | | .0 | | | | | | .7 | 5.9 |
| WSW | .1 | .1 | .2 | | | .0 | | | | | | .5 | 7.0 |
| W | .1 | .3 | .1 | .0 | | | | | | | | .6 | 5.4 |
| WNW | .4 | .1 | .1 | | | | | | | | | .6 | 4.1 |
| NW | .4 | .5 | | .0 | | | | | | | | .9 | 4.2 |
| NNW | .5 | .8 | .1 | .0 | | | | | | | | 1.5 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 25.7 | |
| | 20.9 | 31.2 | 20.0 | 1.9 | .1 | .1 | | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 2253

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

UCT
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .1 | | .0 | | | | | | | | .5 | 3.8 |
| NNE | .2 | .2 | .1 | .0 | .0 | | | | | | | .6 | 6.1 |
| NE | .7 | .4 | .1 | .1 | .1 | | | | | | | 1.5 | 5.7 |
| ENE | 1.3 | 1.7 | .6 | .1 | | | | | | | | 3.7 | 4.8 |
| E | 5.5 | 8.2 | 2.5 | .3 | .0 | | | | | | | 16.5 | 4.8 |
| ESE | 5.6 | 11.3 | 6.1 | .6 | | | | | | | | 23.6 | 5.4 |
| SE | 5.6 | 9.6 | 5.4 | .6 | .0 | | | | | | | 21.2 | 5.5 |
| SSE | 1.2 | 1.2 | .6 | .0 | | | | | | | | 3.0 | 4.8 |
| S | .9 | .6 | .1 | .0 | | | | | | | | 1.6 | 4.1 |
| SSW | .4 | .3 | .2 | .1 | | | | | | | | .9 | 5.3 |
| SW | .3 | .4 | .3 | .0 | | | | | | | | 1.0 | 5.5 |
| WSW | .2 | .1 | .0 | | | | | | | | | .3 | 3.6 |
| W | .2 | .2 | .1 | | | | | | | | | .5 | 4.3 |
| WNW | .0 | .1 | .0 | | | | | | | | | .1 | 4.3 |
| NW | .2 | | .0 | .0 | | | | | | | | .3 | 4.8 |
| NNW | .2 | .1 | | .1 | | | | | | | | .4 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.4 | |
| | 22.6 | 34.4 | 16.3 | 2.1 | .2 | | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS 2820

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

OCT
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .2 | .2 | .1 | | | | | | | | .9 | 5.5 |
| NNE | .4 | .3 | .0 | | | | | | | | | .7 | 3.8 |
| NE | .5 | .4 | .4 | .1 | | | | | | | | 1.4 | 5.2 |
| ENE | .8 | .5 | .2 | .4 | .0 | | | | | | | 1.9 | 6.2 |
| E | 1.6 | 1.4 | 1.5 | 1.2 | .3 | | | | | | | 6.1 | 7.5 |
| ESE | 2.2 | 2.8 | 2.6 | 2.0 | .3 | .1 | | | | | | 9.8 | 7.5 |
| SE | 4.2 | 5.6 | 4.7 | .9 | .1 | .0 | | | | | | 15.6 | 6.0 |
| SSE | 2.2 | 2.9 | 2.6 | .3 | .1 | | | | | | | 8.1 | 5.8 |
| S | 2.2 | 1.7 | 1.2 | .2 | .0 | | | | | | | 5.3 | 5.1 |
| SSW | 1.2 | .8 | .7 | .5 | | | .0 | | | | | 3.2 | 6.3 |
| SW | 1.2 | 1.0 | .6 | .2 | .1 | | | | | | | 3.2 | 5.5 |
| WSW | 1.1 | .8 | .5 | .2 | | | | | | | | 2.5 | 5.1 |
| W | 2.1 | 1.7 | .5 | .1 | | | | | | | | 4.3 | 4.1 |
| WNW | 1.3 | .5 | .4 | .0 | | | | | | | | 2.3 | 4.0 |
| NW | 1.1 | .4 | .3 | .1 | .0 | | | | | | | 1.9 | 4.6 |
| NNW | .3 | .2 | .1 | | | | | | | | | .7 | 4.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 32.3 | |
| | 22.8 | 21.1 | 16.5 | 6.3 | .9 | .1 | .0 | | | | | 100.0 | 4.0 |

TOTAL NUMBER OF OBSERVATIONS 3013

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .7 | .5 | .3 | .2 | | .0 | | | | | | 1.7 | 5.6 |
| NNE | .6 | .3 | .1 | .0 | | | | | | | | 1.0 | 4.2 |
| NE | .5 | .3 | .4 | .1 | | | | | | | | 1.4 | 6.0 |
| ENE | .4 | .5 | .5 | .0 | .0 | .0 | | | | | | 1.4 | 6.4 |
| E | .8 | .7 | 1.3 | .7 | .2 | .1 | | | | | | 3.7 | 8.2 |
| ESE | .9 | 1.5 | 2.1 | 1.3 | .4 | .0 | | | | | | 6.2 | 8.5 |
| SE | 1.0 | 1.6 | 2.4 | 1.0 | .2 | | | | | | | 6.2 | 7.8 |
| SSE | 1.0 | 1.8 | 1.3 | .3 | .0 | | | | | | | 4.5 | 6.1 |
| S | 1.9 | 2.1 | 1.5 | .2 | .0 | | | | | | | 5.7 | 5.3 |
| SSW | 1.3 | 1.3 | 1.3 | .4 | .1 | .0 | | | | | | 4.4 | 6.5 |
| SW | 2.2 | 2.2 | 1.3 | .7 | .1 | | | | | | | 6.4 | 5.8 |
| WSW | 2.4 | 3.0 | 1.3 | .4 | .0 | | | | | | | 7.0 | 5.2 |
| W | 4.5 | 5.7 | 2.6 | .6 | .1 | .0 | | | | | | 13.5 | 5.3 |
| WNW | 2.6 | 3.8 | 2.1 | .5 | .0 | | | | | | | 9.0 | 5.4 |
| NW | 1.8 | 1.4 | .9 | .1 | | | | | | | | 4.2 | 4.8 |
| NNW | .5 | .6 | .3 | .1 | | | | | | | | 1.4 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 21.9 | |
| | 23.0 | 27.3 | 19.7 | 6.6 | 1.3 | .2 | | | | | | 100.0 | 4.7 |

TOTAL NUMBER OF OBSERVATIONS 3012

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

OCT
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .8 | .7 | .3 | .1 | .1 | .0 | | | | | | 2.1 | 5.9 |
| NNE | .4 | .4 | .3 | | .0 | | | | | | | 1.2 | 5.4 |
| NE | .5 | .2 | .2 | .1 | | | | | | | | 1.1 | 5.0 |
| ENE | .3 | .6 | .4 | .1 | .1 | .0 | | | | | | 1.6 | 7.7 |
| E | .4 | .9 | 1.2 | .3 | .2 | | | | | | | 3.0 | 7.9 |
| ESE | .7 | .8 | 1.6 | .6 | .1 | | | | | | | 3.8 | 7.9 |
| SE | .7 | 1.2 | 1.5 | .5 | .1 | | | | | | | 4.0 | 7.4 |
| SSE | .5 | .7 | .6 | .3 | .0 | | | | | | | 2.2 | 6.6 |
| S | .9 | .7 | .6 | .2 | | .0 | | | | | | 2.5 | 5.9 |
| SSW | .6 | .8 | .5 | .5 | .2 | .1 | | | | | | 2.6 | 8.4 |
| SW | 1.0 | 1.1 | 1.1 | .7 | .2 | | | | | | | 4.1 | 7.2 |
| WSW | 1.3 | 2.2 | 1.7 | .3 | .0 | | | | | | | 5.5 | 5.8 |
| W | 4.9 | 9.6 | 4.3 | .7 | .1 | .0 | | | | | | 19.6 | 5.4 |
| WNW | 4.5 | 7.1 | 4.9 | .7 | | .1 | | | | | | 17.3 | 5.7 |
| NW | 3.6 | 4.3 | 2.6 | .1 | .1 | | | | | | | 10.7 | 5.2 |
| NNW | 1.2 | 1.5 | .8 | .0 | | | | | | | | 3.5 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 15.3 | |
| | 22.5 | 32.7 | 22.7 | 5.2 | 1.3 | .3 | | | | | | 100.0 | 5.1 |

TOTAL NUMBER OF OBSERVATIONS 2921

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER 42-74 YEARS
ALL WEATHER
1800-2000
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.5 | 2.3 | .6 | .0 | | | | | | | | 5.4 | 4.0 |
| NNE | 1.9 | .9 | .2 | .1 | | | | | | | | 3.0 | 4.0 |
| NE | 1.2 | 1.4 | .3 | .0 | | | | | | | | 2.9 | 4.3 |
| ENE | 1.3 | 1.4 | 1.0 | .2 | | | | | | | | 3.8 | 5.4 |
| E | 2.0 | 2.1 | .8 | .1 | | | | | | | | 5.0 | 4.6 |
| ESE | 1.6 | .8 | .9 | .5 | .1 | | | | | | | 3.9 | 6.1 |
| SE | 1.1 | 1.6 | .8 | .5 | .0 | | | | | | | 3.9 | 6.1 |
| SSE | .7 | .5 | .3 | .2 | | | .0 | | | | | 1.7 | 6.0 |
| S | .5 | .3 | .4 | .0 | .0 | .0 | | | | | | 1.3 | 6.6 |
| SSW | .4 | .2 | .4 | .2 | .1 | | | | | | | 1.3 | 7.5 |
| SW | .6 | .5 | .5 | .1 | .0 | | | | | | | 1.7 | 6.1 |
| WSW | .5 | .4 | .3 | .2 | | | | | | | | 1.7 | 5.0 |
| W | 2.3 | 2.1 | .6 | .2 | .0 | | | | | | | 5.2 | 4.6 |
| WNW | 2.1 | 2.5 | .7 | .1 | .1 | | | | | | | 5.5 | 4.9 |
| NW | 3.5 | 2.1 | .9 | .1 | | | | | | | | 6.7 | 4.1 |
| NNW | 2.4 | 2.0 | .5 | .1 | | | | | | | | 5.0 | 4.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 41.8 | |
| | 24.9 | 21.1 | 9.0 | 2.6 | .4 | .0 | .0 | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS 2660

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

OCT
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .6 | .3 | .0 | .0 | | | | | | | | 1.0 | 3.9 |
| NNE | .5 | .2 | .2 | .1 | .0 | | | | | | | 1.1 | 6.0 |
| NE | .7 | 1.1 | .3 | .1 | | | | | | | | 2.1 | 4.9 |
| ENE | 1.3 | 1.7 | .9 | .1 | .0 | | | | | | | 4.1 | 5.3 |
| E | 4.5 | 3.2 | 1.3 | .3 | | | | | | | | 9.3 | 4.4 |
| ESE | 4.4 | 5.3 | 2.0 | .3 | | | | | | | | 11.9 | 4.7 |
| SE | 5.6 | 4.8 | 1.8 | .2 | | | | | | | | 12.4 | 4.4 |
| SSE | 1.3 | 1.2 | .5 | .1 | .0 | | | | | | | 3.2 | 4.8 |
| S | 1.3 | .6 | .3 | | | | | | | | | 2.2 | 3.9 |
| SSW | .6 | .5 | .4 | .2 | | | | | | | | 1.6 | 5.8 |
| SW | .9 | .8 | .4 | .0 | | | | | | | | 2.1 | 4.7 |
| WSW | .5 | .2 | .1 | | | | | | | | | .8 | 3.9 |
| W | .6 | .3 | .4 | .1 | | | | | | | | 1.4 | 5.7 |
| WNW | .1 | .3 | .3 | | .0 | | | | | | | .7 | 6.5 |
| NW | .3 | .5 | .1 | .2 | | | | | | | | 1.1 | 6.1 |
| NNW | .4 | .4 | .2 | | | | | | | | | .9 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 43.9 | |
| | 23.6 | 21.3 | 9.2 | 1.8 | .2 | | | | | | | 100.0 | 2.6 |

TOTAL NUMBER OF OBSERVATIONS 2261

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SECTION/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-64,71,73
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0000-0200
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 53 | ≥56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----------------------|
| N | .2 | .2 | .2 | .2 | | | | | | | | .8 | 6.8 |
| NNE | .3 | .2 | .3 | .3 | | | | | | | | 1.0 | 7.8 |
| NE | .7 | .7 | .5 | .3 | | | | | | | | 2.1 | 6.0 |
| ENE | .9 | 1.5 | .3 | | | | | | | | | 2.7 | 4.6 |
| E | 4.6 | 5.0 | 2.8 | .4 | | | | | | | | 12.7 | 5.0 |
| ESE | 8.1 | 9.7 | 4.7 | .1 | | | | | | | | 22.5 | 4.8 |
| SE | 6.4 | 6.5 | 2.9 | .1 | | | | | | | | 15.9 | 4.5 |
| SSE | 1.1 | 1.4 | .4 | | | | | | | | | 2.9 | 4.5 |
| S | .6 | .4 | .4 | .1 | .1 | | | | | | | 1.5 | 5.7 |
| SSW | .4 | .3 | .2 | .3 | .1 | | | | | | | 1.3 | 7.7 |
| SW | .5 | .5 | .4 | .1 | | | | | | | | 1.5 | 5.4 |
| WSW | .5 | .2 | .3 | .1 | | | | | | | | 1.1 | 4.8 |
| W | .3 | .3 | .3 | .1 | | | | | | | | .8 | 5.9 |
| WNW | .1 | .1 | .3 | .1 | | | | | | | | .5 | 7.2 |
| NW | .4 | .2 | .1 | .1 | | | | | | | | .7 | 4.3 |
| NNW | .1 | .2 | .2 | | | | | | | | | .5 | 6.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.7 | |
| | 25.0 | 27.3 | 14.1 | 1.9 | .1 | | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS

1889

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .4 | .3 | | | | | | | | | 1.1 | 4.9 |
| NNE | .6 | .2 | .3 | .2 | | | | | | | | 1.4 | 6.1 |
| NE | .6 | .5 | .2 | | | | | | | | | 1.3 | 4.2 |
| ENE | 2.0 | 1.7 | .5 | .1 | | | | | | | | 4.3 | 4.4 |
| E | 7.2 | 7.2 | 2.9 | .3 | | | | | | | | 17.6 | 4.6 |
| ESE | 7.5 | 10.8 | 5.0 | .3 | | | | | | | | 23.5 | 4.9 |
| SE | 5.1 | 5.4 | 3.7 | .1 | .0 | | | | | | | 14.4 | 5.1 |
| SSE | 1.5 | 1.2 | .4 | .0 | | | | | | | | 3.1 | 4.3 |
| S | .7 | .3 | .1 | | .0 | | | | | | | 1.2 | 4.3 |
| SSW | .4 | .3 | .1 | .1 | | | | | | | | .9 | 5.2 |
| SW | .6 | .4 | .2 | .0 | | | | | | | | 1.2 | 4.7 |
| WSW | .3 | .3 | | | | | | | | | | .6 | 3.7 |
| W | .4 | .2 | .2 | | | | | | | | | .8 | 4.7 |
| WNW | .0 | .1 | .1 | .0 | | | | | | | | .3 | 6.6 |
| NW | .2 | .0 | .2 | | | | | | | | | .5 | 4.8 |
| NNW | .5 | .5 | .2 | | | | | | | | | 1.2 | 4.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 26.5 | |
| | 27.9 | 29.6 | 14.5 | 1.4 | .1 | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS

2167

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .2 | .3 | .1 | .1 | | | | | | | | .7 | 5.2 |
| NNE | .3 | .2 | .3 | .2 | | | | | | | | 1.0 | 6.8 |
| NE | .5 | .9 | .2 | .1 | | | | | | | | 1.8 | 5.4 |
| ENE | 2.1 | 2.0 | .5 | .2 | | | | | | | | 4.8 | 4.5 |
| E | 6.3 | 7.3 | 2.3 | .3 | .1 | | | | | | | 16.3 | 4.6 |
| ESE | 8.0 | 9.6 | 4.3 | .3 | | | | | | | | 22.2 | 4.8 |
| SE | 5.6 | 6.4 | 4.0 | .2 | | | | | | | | 16.1 | 5.0 |
| SSE | 1.4 | 1.4 | .7 | .1 | | | | | | | | 3.6 | 4.8 |
| S | .8 | .3 | .1 | .1 | | | | | | | | 1.3 | 4.7 |
| SSW | .2 | .3 | .2 | .0 | | | | | | | | .8 | 5.5 |
| SW | .3 | .2 | .3 | .1 | | | | | | | | .9 | 5.9 |
| WSW | .1 | .0 | .2 | | | | | | | | | .3 | 5.8 |
| W | .1 | .2 | .2 | | | | | | | | | .6 | 5.6 |
| WNW | .2 | .3 | .0 | .1 | | | | | | | | .6 | 5.9 |
| NW | .1 | .3 | .1 | .0 | .0 | | | | | | | .6 | 6.3 |
| NNW | .1 | .3 | .1 | .0 | | | | | | | | .5 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 27.7 | |
| | 26.4 | 30.1 | 13.7 | 2.0 | .1 | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 2697

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .3 | .0 | .0 | | | | | | | | .9 | 4.0 |
| NNE | .4 | .2 | .3 | .2 | .0 | | | | | | | 1.2 | 6.7 |
| NE | .8 | .5 | .5 | .3 | .1 | | | | | | | 2.1 | 6.6 |
| ENE | .9 | .7 | .2 | .1 | .1 | | | | | | | 2.0 | 5.1 |
| E | 2.2 | 1.5 | .6 | .9 | .2 | | | | | | | 5.3 | 6.3 |
| ESE | 3.4 | 3.1 | 1.8 | .5 | .2 | .0 | | | | | | 9.0 | 5.5 |
| SE | 4.0 | 3.7 | 2.9 | .6 | .1 | | | | | | | 11.3 | 5.3 |
| SSE | 2.1 | 2.1 | 1.1 | .2 | | | | | | | | 5.5 | 4.8 |
| S | 1.9 | 1.7 | .7 | .1 | .1 | .0 | | | | | | 4.6 | 5.0 |
| SSW | 1.2 | .7 | .5 | .2 | .0 | | | | | | | 2.5 | 4.9 |
| SW | 1.8 | .9 | .2 | .2 | | | | | | | | 3.1 | 4.1 |
| WSW | 1.5 | .7 | .3 | .1 | | | | | | | | 2.7 | 4.2 |
| W | 2.3 | 1.2 | .2 | .0 | | | | | | | | 3.7 | 3.5 |
| WNW | 1.7 | .6 | .3 | .1 | .0 | | | | | | | 2.7 | 4.2 |
| NW | .9 | .5 | .3 | .1 | .0 | | | | | | | 1.9 | 4.8 |
| NNW | .8 | .3 | .2 | .1 | | .0 | | | | | | 1.4 | 5.0 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.2 | |
| | 26.2 | 18.7 | 10.2 | 3.8 | .9 | .1 | | | | | | 100.0 | 3.0 |

TOTAL NUMBER OF OBSERVATIONS 2864

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NDV
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 24 | 25 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.3 | .9 | .5 | .1 | | | | | | | | 2.7 | 4.5 |
| NNE | .6 | .6 | .3 | .2 | .0 | | | | | | | 1.7 | 6.0 |
| NE | .8 | .5 | .5 | .2 | .0 | | | | | | | 2.1 | 5.8 |
| ENE | .8 | .4 | .6 | .2 | | | | | | | | 2.1 | 6.0 |
| E | 1.3 | 1.1 | 1.6 | .8 | .1 | .1 | | | | | | 5.0 | 7.5 |
| ESE | 1.1 | .9 | 1.1 | .7 | .1 | .1 | | | | | | 4.1 | 7.8 |
| SE | 1.2 | .9 | .9 | .5 | .2 | | | | | | | 3.7 | 6.8 |
| SSE | .8 | 1.4 | .9 | .4 | | | | | | | | 3.5 | 6.5 |
| S | 1.3 | 1.4 | .8 | .2 | | | | | | | | 3.7 | 5.4 |
| SSW | 1.2 | 1.1 | .7 | .6 | | | | | | | | 3.6 | 5.9 |
| SW | 2.1 | 1.7 | .8 | .2 | .1 | | | | | | | 4.9 | 4.8 |
| WSW | 2.0 | 1.9 | 1.1 | .3 | .1 | | | | | | | 5.4 | 5.2 |
| W | 4.5 | 4.3 | 2.0 | .2 | | | | | | | | 11.0 | 4.6 |
| WNW | 3.1 | 3.0 | 1.0 | .3 | | | | | | | | 7.5 | 4.6 |
| NW | 2.7 | 2.2 | .7 | .2 | .0 | .1 | | | | | | 5.9 | 4.9 |
| NNW | 1.2 | .9 | .6 | .2 | | | | | | | | 2.9 | 5.1 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 30.2 | |
| | 26.1 | 23.2 | 14.2 | 5.3 | .6 | .3 | | | | | | 100.0 | 3.9 |

TOTAL NUMBER OF OBSERVATIONS

2887

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 STATION WILLIAMS AFB ARIZONA/CHANDLER 42-74 YEARS MONTH NOV
1500-1700
HOURS (L.S.T.)

ALL WEATHER

CLASS

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | Σ | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.0 | .7 | .6 | | .0 | | | | | | | 2.4 | 4.9 |
| NNE | .5 | .5 | .3 | .1 | .1 | | | | | | | 1.5 | 6.4 |
| NE | .5 | .6 | .6 | .0 | | | | | | | | 1.8 | 5.6 |
| ENE | .3 | .5 | .4 | .1 | | | | | | | | 1.4 | 6.2 |
| E | .6 | 1.4 | 1.2 | .5 | .1 | .1 | | | | | | 4.0 | 7.6 |
| ESE | .5 | .9 | .9 | .5 | .1 | | | | | | | 2.9 | 7.8 |
| SE | .5 | .9 | .7 | .3 | .0 | | | | | | | 2.4 | 6.4 |
| SSE | .5 | .6 | .3 | .3 | .0 | .0 | | | | | | 1.8 | 6.6 |
| S | 1.0 | .9 | .6 | .1 | .1 | | | | | | | 2.6 | 5.5 |
| SSW | .6 | 1.0 | .7 | .3 | .1 | .0 | | | | | | 2.7 | 6.9 |
| SW | 1.5 | 1.2 | .9 | .3 | | | | | | | | 4.0 | 5.4 |
| WSW | 1.9 | 2.0 | .9 | .1 | | | | | | | | 5.0 | 4.9 |
| W | 5.5 | 8.7 | 2.2 | .4 | | | | | | | | 16.8 | 4.7 |
| WNW | 4.5 | 5.7 | 2.4 | .3 | | .0 | | | | | | 12.9 | 5.0 |
| NW | 3.6 | 3.6 | 1.5 | .3 | .0 | | | | | | | 9.0 | 4.8 |
| NNW | 1.8 | 1.1 | 1.0 | .3 | | | | | | | | 4.2 | 5.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 24.8 | |
| | 24.9 | 30.4 | 15.1 | 3.9 | .7 | .2 | | | | | | 100.0 | 4.1 |

TOTAL NUMBER OF OBSERVATIONS 2793

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION STATION NAME YEARS
ALL WEATHER
CLASS
CONDITION
NOV
MONTH
1800-2000
HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 2.5 | 1.6 | .0 | .1 | | | | | | | | 4.3 | 3.6 |
| NNE | 1.2 | .8 | .3 | .1 | .1 | | | | | | | 2.4 | 4.7 |
| NE | 1.9 | 1.7 | .8 | .2 | .0 | | | | | | | 4.8 | 4.9 |
| ENE | 1.5 | 1.8 | 1.2 | .2 | | | | | | | | 4.7 | 5.4 |
| E | 3.1 | 3.6 | 1.2 | .4 | .1 | | | | | | | 8.4 | 5.0 |
| ESE | 1.6 | 1.5 | .5 | .2 | .1 | | | | | | | 3.9 | 5.0 |
| SE | 1.4 | .9 | .4 | .1 | | | | | | | | 2.8 | 4.4 |
| SSE | .3 | .6 | .2 | .0 | | | | | | | | 1.6 | 3.9 |
| S | .7 | .4 | .2 | .1 | .0 | | | | | | | 1.5 | 5.2 |
| SSW | .4 | .3 | .2 | | .1 | .0 | | | | | | 1.0 | 6.6 |
| SW | 1.1 | .5 | .6 | | | | | | | | | 2.3 | 4.5 |
| WSW | .5 | .6 | .1 | | | | | | | | | 1.2 | 4.1 |
| W | 2.2 | 1.6 | .5 | .0 | | | | | | | | 4.3 | 4.1 |
| WNW | 1.9 | 1.3 | .4 | .1 | | | | | | | | 3.7 | 4.0 |
| NW | 2.9 | 1.2 | .4 | | | | | | | | | 4.5 | 3.6 |
| NNW | 2.0 | .9 | .3 | | | | | | | | | 3.2 | 3.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 45.5 | |
| | 25.8 | 19.4 | 7.3 | 1.6 | .4 | .0 | | | | | | 100.0 | 2.5 |

TOTAL NUMBER OF OBSERVATIONS 2515

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|-----|-------|-----------------------|
| N | .4 | .3 | | | .1 | | | | | | | .8 | 5.4 |
| NNE | .5 | .5 | .4 | .2 | .1 | | | | | | | 1.7 | 6.5 |
| NE | .9 | .7 | .9 | .1 | | | | | | | | 2.6 | 5.9 |
| ENE | 1.0 | 1.4 | 1.0 | .2 | | | | | | | | 3.7 | 5.6 |
| E | 5.1 | 4.5 | 1.6 | | | | | | | | | 11.2 | 4.2 |
| ESE | 5.3 | 5.6 | 1.5 | .2 | | | | | | | | 12.6 | 4.4 |
| SE | 6.1 | 5.6 | 2.3 | .1 | | | | | | | | 14.1 | 4.4 |
| SSE | 1.9 | 1.2 | .2 | | | | | | | | | 3.4 | 3.7 |
| S | 1.2 | .6 | .3 | .0 | .0 | | | | | | | 2.2 | 4.8 |
| SSW | .4 | .4 | .2 | .3 | .0 | | | | | | | 1.4 | 7.1 |
| SW | .7 | .4 | .2 | .0 | | | | | | | | 1.3 | 4.4 |
| WSW | .5 | .2 | .3 | | | | | | | | | 1.0 | 4.7 |
| W | .5 | .4 | .2 | .1 | | | | | | | | 1.3 | 5.1 |
| WNW | .3 | .4 | .0 | | | | | | | | | .8 | 4.0 |
| NW | .4 | .8 | .1 | | | | | | | | | 1.3 | 4.6 |
| NNW | .3 | .2 | .1 | .0 | | | | | | | | .7 | 4.9 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 40.2 | |
| | 25.5 | 23.3 | 9.3 | 1.4 | .3 | | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATION*

2116

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-60,63-64,71 DEC
STATION STATION NAME YEARS MONTH
ALL WEATHER 0000-0200
CLASS HOURS (L. T.)
CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .3 | .1 | .2 | .1 | | | | | | | | .6 | 5.5 |
| NNE | .2 | .3 | .1 | .1 | | | | | | | | .6 | 6.3 |
| NE | .6 | 1.0 | .5 | .3 | .1 | | | | | | | 2.5 | 6.3 |
| ENE | 1.1 | 1.3 | .6 | | | | | | | | | 3.1 | 4.6 |
| E | 6.2 | 5.5 | 2.7 | .1 | | | | | | | | 14.5 | 4.5 |
| ESE | 6.2 | 11.0 | 4.8 | .5 | .1 | | | | | | | 22.6 | 5.2 |
| SE | 4.8 | 6.7 | 3.3 | .1 | | | | | | | | 14.9 | 4.8 |
| SSE | 1.6 | .9 | .4 | .1 | | | | | | | | 3.0 | 4.3 |
| S | .5 | .4 | .1 | .1 | | | | | | | | 1.1 | 4.7 |
| SSW | .5 | .5 | .4 | .1 | .1 | .1 | | | | | | 1.5 | 6.4 |
| SW | .3 | .2 | .2 | | | | | | | | | .6 | 5.1 |
| WSW | .2 | .1 | .1 | | | | | | | | | .3 | 4.8 |
| W | .3 | .2 | .3 | | | | | | | | | .7 | 5.1 |
| WNW | .2 | .3 | .2 | | | | | | | | | .6 | 5.0 |
| NW | .5 | .2 | .2 | .1 | | | | | | | | .9 | 5.2 |
| NNW | .1 | .3 | .2 | | | | | | | | | .6 | 5.6 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.9 | |
| | 23.4 | 28.8 | 14.1 | 1.4 | .3 | .1 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 1952

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0300-0500
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .2 | .1 | | | | | | | | | .5 | 5.4 |
| NNE | .2 | .3 | .3 | .1 | | | | | | | | .8 | 6.6 |
| NE | 1.3 | 1.1 | .7 | .3 | | | | | | | | 3.4 | 5.4 |
| ENE | 1.5 | 2.0 | .3 | .1 | .0 | | | | | | | 4.0 | 4.6 |
| E | 6.8 | 8.8 | 2.5 | .1 | | | | | | | | 18.3 | 4.5 |
| ESE | 6.2 | 9.8 | 5.5 | .4 | .1 | | | | | | | 22.0 | 5.2 |
| SE | 4.7 | 5.3 | 2.9 | .2 | | | | | | | | 13.2 | 4.8 |
| SSE | 1.4 | .8 | .3 | .1 | | | | | | | | 2.7 | 4.4 |
| S | .9 | .4 | .2 | .2 | .1 | | | | | | | 1.8 | 5.7 |
| SSW | .3 | .2 | .2 | .2 | .1 | | | | | | | 1.0 | 7.5 |
| SW | .1 | .0 | .3 | .0 | | | | | | | | .6 | 6.7 |
| WSW | .2 | .1 | | | | | | | | | | .3 | 3.0 |
| W | .3 | .2 | .1 | .0 | | | | | | | | .7 | 4.6 |
| WNW | .1 | .1 | .1 | | | | | | | | | .3 | 5.4 |
| NW | .4 | .1 | .1 | | | | | | | | | .6 | 3.8 |
| NNW | .1 | .1 | .2 | .1 | | | | | | | | .6 | 7.2 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 29.5 | |
| | 24.6 | 29.7 | 14.1 | 1.8 | .3 | | | | | | | 100.0 | 3.5 |

TOTAL NUMBER OF OBSERVATIONS 2177

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0600-0800
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .3 | | .1 | | | | | | | | .7 | 4.2 |
| NNE | .1 | .3 | .2 | .0 | | | | | | | | .7 | 5.5 |
| NE | 1.3 | .7 | .6 | .1 | | | | | | | | 2.7 | 4.7 |
| ENE | 2.0 | 1.7 | .5 | .1 | | | | | | | | 4.3 | 4.3 |
| E | 6.5 | 8.4 | 1.9 | .0 | | | | | | | | 16.8 | 4.2 |
| ESE | 6.3 | 9.4 | 4.1 | .3 | | | | | | | | 20.1 | 4.9 |
| SE | 5.0 | 5.7 | 2.6 | .2 | .0 | | | | | | | 13.5 | 4.8 |
| SSE | 1.4 | 1.2 | .6 | .1 | | | | | | | | 3.3 | 4.6 |
| S | .6 | .4 | .3 | .1 | .0 | | | | | | | 1.4 | 5.8 |
| SSW | .3 | .6 | .3 | .1 | .0 | | | | | | | 1.4 | 5.9 |
| SW | .2 | .3 | .1 | .0 | | | | | | | | .6 | 5.4 |
| WSW | .2 | .3 | .1 | .0 | | | | | | | | .7 | 5.1 |
| W | .2 | .3 | .1 | .1 | | | | | | | | .7 | 5.8 |
| WNW | .3 | .2 | .1 | .1 | | | | | | | | .7 | 5.5 |
| NW | .1 | .1 | .2 | | | | | | | | | .5 | 5.6 |
| NNW | .1 | .1 | .0 | .0 | | | | | | | | .4 | 5.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 31.5 | |
| | 25.0 | 30.1 | 11.9 | 1.4 | .1 | | | | | | | 100.0 | 3.2 |

TOTAL NUMBER OF OBSERVATIONS 2695

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

0900-1100
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .4 | .2 | .3 | .0 | | | | | | | | .9 | 5.5 |
| NNE | .5 | .2 | .4 | .1 | .0 | | | | | | | 1.2 | 6.0 |
| NE | .6 | .5 | .4 | .3 | .0 | | | | | | | 1.8 | 6.2 |
| ENE | 1.4 | .9 | .3 | .1 | .0 | | | | | | | 2.7 | 4.4 |
| E | 2.5 | 2.1 | .8 | .3 | | .0 | | | | | | 5.8 | 4.8 |
| ESE | 3.2 | 4.6 | 1.9 | .2 | | | | | | | | 9.9 | 4.9 |
| SE | 4.1 | 4.6 | 2.1 | .4 | .1 | .0 | | | | | | 12.3 | 5.3 |
| SSE | 1.9 | 1.7 | .8 | .1 | | | | | | | | 4.6 | 4.6 |
| S | 1.9 | 1.1 | .5 | .4 | .1 | .0 | | | | | | 4.0 | 5.1 |
| SSW | 1.2 | .5 | .4 | .0 | .0 | | | | | | | 2.2 | 4.6 |
| SW | 1.8 | .5 | .4 | .1 | | | | | | | | 3.3 | 4.2 |
| WSW | 1.2 | .6 | .3 | | | | | | | | | 2.1 | 4.0 |
| W | 1.5 | .8 | .4 | .2 | | | | | | | | 2.9 | 4.5 |
| WNW | 1.2 | .6 | .3 | .1 | .0 | | | | | | | 2.3 | 4.6 |
| NW | .8 | .4 | .3 | .1 | | | | | | | | 1.5 | 4.6 |
| NNW | .4 | .2 | .0 | | | | | | | | | .6 | 3.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 41.9 | |
| | 24.7 | 19.9 | 10.7 | 2.5 | .3 | .1 | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS 2928

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1200-1400
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.4 | 1.1 | .4 | .1 | | | | | | | | 3.0 | 4.3 |
| NNE | .8 | .8 | .5 | .2 | .0 | | | | | | | 2.2 | 5.7 |
| NE | .8 | .6 | .6 | .2 | | | | | | | | 2.2 | 5.7 |
| ENE | .6 | .5 | .4 | .1 | .0 | | | | | | | 1.7 | 5.8 |
| E | 1.1 | .8 | 1.0 | .5 | .1 | .0 | | | | | | 3.5 | 6.9 |
| ESE | .9 | .9 | .9 | .5 | .1 | .1 | | | | | | 3.2 | 7.4 |
| SE | 1.5 | 1.1 | 1.1 | .3 | .1 | | | | | | | 4.1 | 5.9 |
| SSE | .9 | 1.0 | .5 | .3 | | | | | | | | 2.6 | 5.8 |
| S | 1.4 | 1.3 | .9 | .2 | .1 | .0 | | | | | | 3.9 | 5.7 |
| SSW | 1.1 | .9 | .6 | .2 | .0 | | | | | | | 2.8 | 5.3 |
| SW | 2.1 | 1.3 | 1.0 | .2 | .0 | | | | | | | 4.7 | 4.9 |
| WSW | 2.2 | 1.9 | .9 | .1 | .0 | .0 | | | | | | 5.2 | 4.8 |
| W | 4.6 | 4.1 | 1.2 | .4 | .1 | .1 | | | | | | 10.5 | 4.7 |
| WNW | 2.9 | 2.5 | 1.1 | .2 | .1 | | | | | | | 6.8 | 4.8 |
| NW | 2.6 | 1.4 | .5 | .3 | .1 | | | | | | | 4.9 | 4.6 |
| NNW | 1.5 | .6 | .4 | .1 | | | | | | | | 2.6 | 4.3 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 35.9 | |
| | 26.4 | 20.7 | 12.0 | 4.0 | .8 | .2 | | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 2932

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

1500-1700
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.2 | 1.1 | .4 | | | | | | | | | 2.7 | 4.2 |
| NNE | .8 | .8 | .4 | .1 | | | | | | | | 2.0 | 5.1 |
| NE | .9 | .7 | .6 | .2 | .0 | | | | | | | 2.5 | 5.8 |
| ENE | .4 | .5 | .6 | .1 | | | | | | | | 1.6 | 6.0 |
| E | .6 | .8 | 1.1 | .4 | | | | | | | | 3.0 | 6.9 |
| ESE | .5 | .8 | .8 | .4 | .1 | | | | | | | 2.6 | 7.2 |
| SE | .6 | .7 | .6 | .3 | | | | | | | | 2.2 | 6.3 |
| SSE | .6 | .5 | .2 | .1 | .0 | | | | | | | 1.4 | 5.2 |
| S | .7 | .6 | .4 | .1 | .0 | .1 | | | | | | 2.0 | 6.2 |
| SSW | .7 | .9 | .4 | .1 | .1 | | | | | | | 2.3 | 5.8 |
| SW | 1.7 | 1.5 | .5 | .0 | .0 | | | | | | | 3.8 | 4.4 |
| WSW | 1.9 | 2.0 | .5 | .1 | .0 | | | | | | | 4.6 | 4.7 |
| W | 5.4 | 5.3 | 2.2 | .6 | .1 | | | | | | | 13.5 | 4.9 |
| WNW | 4.8 | 4.0 | 2.0 | .3 | .1 | .0 | .0 | | | | | 11.2 | 4.9 |
| NW | 3.2 | 2.8 | 1.2 | .1 | | | | | | | | 7.4 | 4.6 |
| NNW | .9 | 1.4 | .5 | | | | | | | | | 2.8 | 4.4 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 34.3 | |
| | 25.0 | 24.4 | 12.4 | 3.1 | .5 | .1 | .0 | | | | | 100.0 | 3.4 |

TOTAL NUMBER OF OBSERVATIONS 2812

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

SURFACE WINDS

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DFC
MONTH

ALL WEATHER
CLASS

1800-2000
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | 1.5 | .8 | .2 | .0 | | | | | | | | 2.6 | 3.7 |
| NNE | .8 | 1.0 | .4 | .0 | | | | | | | | 2.2 | 4.8 |
| NE | 1.7 | 1.8 | .5 | .2 | .0 | | | | | | | 4.2 | 4.7 |
| ENE | 1.7 | 1.7 | 1.0 | .2 | | | | | | | | 4.5 | 5.0 |
| E | 3.4 | 3.9 | 1.1 | .1 | | | | | | | | 8.6 | 4.4 |
| ESE | 2.8 | 1.8 | .4 | .2 | | | | | | | | 5.2 | 4.1 |
| SE | 2.2 | 1.5 | .2 | .2 | | .0 | | | | | | 4.1 | 4.2 |
| SSE | .7 | .6 | .3 | .2 | | .0 | | | | | | 1.9 | 5.6 |
| S | .5 | .5 | .1 | .1 | .1 | | | | | | | 1.3 | 5.4 |
| SSW | .5 | .5 | .2 | .2 | .0 | | | | | | | 1.5 | 6.3 |
| SW | 1.1 | .3 | .1 | | .0 | | | | | | | 1.6 | 3.6 |
| WSW | .5 | .3 | .2 | .1 | | | | | | | | 1.1 | 4.6 |
| W | 1.9 | 1.3 | .4 | .1 | | | | | | | | 3.7 | 4.1 |
| WNW | 1.3 | 1.2 | .3 | .1 | | | | | | | | 2.9 | 4.3 |
| NW | 2.0 | 1.5 | .1 | .2 | | | | | | | | 3.8 | 4.0 |
| NNW | 1.7 | .8 | .2 | .0 | | | | | | | | 2.8 | 3.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 48.1 | |
| | 24.5 | 19.5 | 5.8 | 1.9 | .2 | .1 | | | | | | 100.0 | 2.3 |

TOTAL NUMBER OF OBSERVATIONS 2407

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

ALL WEATHER
CLASS

2100-2300
HOURS (L.S.T.)

CONDITION

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .5 | .3 | .2 | .1 | | | | | | | | 1.1 | 5.2 |
| NNE | .2 | .1 | .0 | | | | | | | | | .4 | 4.0 |
| NE | .8 | .8 | .4 | .2 | .1 | | | | | | | 2.2 | 5.7 |
| ENE | 2.0 | 1.4 | .8 | .2 | .0 | | | | | | | 4.4 | 4.9 |
| E | 5.7 | 4.8 | 1.3 | .2 | | | | | | | | 12.1 | 4.2 |
| ESE | 6.3 | 6.9 | 2.8 | .3 | .0 | | | | | | | 16.4 | 4.7 |
| SE | 4.9 | 5.3 | 1.4 | .0 | | | | | | | | 12.6 | 4.3 |
| SSE | 1.7 | 1.2 | .4 | | | | | | | | | 3.3 | 4.1 |
| S | .7 | .6 | .2 | .0 | .0 | | | | | | | 1.6 | 4.7 |
| SSW | .4 | .3 | .5 | .2 | .1 | | | | | | | 1.5 | 7.8 |
| SW | .4 | .4 | .2 | .0 | | | | | | | | 1.1 | 5.2 |
| WSW | .2 | .2 | .1 | .0 | | | | | | | | .6 | 5.0 |
| W | .8 | .2 | .1 | .2 | | | | | | | | 1.3 | 5.2 |
| WNW | .3 | .2 | .1 | .0 | .0 | | | | | | | .8 | 5.9 |
| NW | .2 | .2 | | | | | | | | | | .5 | 3.9 |
| NNW | .4 | .2 | .1 | .1 | | | | | | | | .8 | 4.8 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 39.4 | |
| | 25.5 | 24.2 | 8.7 | 1.8 | .4 | | | | | | | 100.0 | 2.8 |

TOTAL NUMBER OF OBSERVATIONS 2091

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION STATION NAME YEARS
INSTRUMENT
CLASS
CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,
CONDITION
AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE
ALL MONTH
ALL HOURS (L.S.T.)

| SPEED (KNTS) DIR. | 1 - 3 | 4 - 6 | 7 - 10 | 11 - 16 | 17 - 21 | 22 - 27 | 28 - 33 | 34 - 40 | 41 - 47 | 48 - 55 | ≥ 56 | % | MEAN WIND SPEED |
|-------------------------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|------|-------|-----------------------|
| N | .1 | .5 | .9 | .3 | .4 | .1 | .3 | | | | | 2.6 | 12.4 |
| NNE | .9 | .3 | .3 | .4 | .1 | .1 | .1 | | | | | 2.2 | 9.6 |
| NE | .4 | .4 | .4 | .1 | .4 | .1 | | | | | | 1.8 | 10.6 |
| ENE | .5 | .6 | .1 | .1 | .5 | .3 | | | | | | 2.2 | 10.6 |
| E | 1.3 | 1.5 | .4 | .1 | .8 | .5 | | .1 | | | | 4.7 | 9.9 |
| ESE | .4 | 1.3 | 1.0 | .9 | 1.3 | .9 | .5 | | | | | 6.2 | 13.9 |
| SE | 1.9 | 1.0 | 1.8 | 1.1 | 1.9 | 1.5 | .1 | | | | | 9.4 | 12.3 |
| SSE | .8 | .9 | .9 | 1.0 | 1.5 | .6 | .3 | | | | | 6.0 | 13.3 |
| S | .6 | 1.7 | .6 | .9 | 1.5 | .4 | | | | | | 5.7 | 11.1 |
| SSW | .9 | 1.0 | 1.9 | .5 | 2.3 | .8 | .3 | | | | | 7.7 | 12.8 |
| SW | .6 | 1.8 | 1.4 | .9 | 1.0 | .9 | | | | | | 6.6 | 11.0 |
| WSW | .4 | .9 | .9 | .1 | .4 | .3 | | | | | | 3.3 | 10.8 |
| W | .9 | 1.9 | 1.8 | 1.4 | 2.7 | 1.1 | | | | | | 9.8 | 12.3 |
| WNW | .8 | 1.1 | 1.4 | 1.8 | .9 | .5 | .1 | | | | | 6.6 | 11.5 |
| NW | .6 | 1.1 | 1.1 | .8 | .6 | .3 | .3 | | | | | 4.8 | 11.1 |
| NNW | .5 | .8 | .6 | .8 | .1 | .3 | | | | | | 3.1 | 9.7 |
| VARBL | | | | | | | | | | | | | |
| CALM | | | | | | | | | | | | 17.2 | |
| | 11.6 | 16.8 | 15.6 | 11.2 | 16.8 | 8.7 | 1.9 | .1 | | | | 100.0 | 9.7 |

TOTAL NUMBER OF OBSERVATIONS 784

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-----|-----|-----|-----|------|-----|------|------|-----|-----|-----|-----|--------|-----|-----|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | | | | | | | | | | | | | | | | |
| ≥ 1800 | | | | | | | | | | | | | | | | |
| ≥ 1500 | | | | | | | | | | | | | | | | |
| ≥ 1200 | | | | | | | | | | | | | | | | |
| ≥ 1000 | | | | | | | | | | | | | | | | |
| ≥ 900 | | | | | | | | | | | | | | | | |
| ≥ 800 | | | | | | | | | | | | | | | | |
| ≥ 700 | | | | | | | | | | | | | | | | |
| ≥ 600 | | | | | | | | | | | | | | | | |
| ≥ 500 | | | | | | | | | | | | | | | | |
| ≥ 400 | | | | | | | | | | | | | | | | |
| ≥ 300 | | | | | | | | | | | | | | | | |
| ≥ 200 | | | | | | | | | | | | | | | | |
| ≥ 100 | | | | | | | | | | | | | | | | |
| ≥ 0 | | | | | | | | | | | | | | | | |

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 .
For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.
Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table:
Visibility ≥ 3 miles = 95.4%.
Visibility ≥ 2 miles = 96.9%.
Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling ≥ 1500 feet with visibility ≥ 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of ≥ 1500 feet with ≥ 3 miles, subtracted from 97.4 read from the table at the intersection of ≥ 500 feet with ≥ 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling ≥ 500 feet with visibility ≥ 1 mile, but < 3 miles; or ceiling ≥ 500 feet, but < 1500 feet with visibility ≥ 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

ALL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 77.2 | 77.6 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 | 77.8 |
| ≥ 20000 | 84.2 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.0 | 85.0 |
| ≥ 13000 | 84.9 | 85.3 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.6 | 85.6 | 85.6 |
| ≥ 16000 | 86.0 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| IV 14000 | 88.4 | 88.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| IV 12000 | 91.0 | 91.5 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| IV 10000 | 92.4 | 93.0 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 9000 | 93.0 | 93.5 | 93.6 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| IV 8000 | 94.0 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 |
| IV 7000 | 94.9 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 |
| IV 6000 | 96.0 | 96.6 | 96.8 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| IV 5000 | 97.0 | 97.7 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 |
| IV 4500 | 97.3 | 98.0 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 |
| IV 4000 | 97.6 | 98.4 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 |
| IV 3500 | 97.8 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 3000 | 98.0 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| IV 2500 | 98.1 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 2000 | 99.2 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| IV 1800 | 98.2 | 99.1 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| IV 1500 | 98.2 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1200 | 98.3 | 99.2 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 1000 | 98.3 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 900 | 98.3 | 99.2 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 800 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 700 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 600 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 500 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 400 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 300 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 200 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 100 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 0 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 243204

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 1151

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 70.7 78.9 | 71.3 79.5 | 71.4 79.6 | 71.4 79.7 | 71.4 79.7 | 71.4 79.7 | 71.5 79.8 | 71.5 79.8 | 71.5 79.8 | 71.5 79.8 | 71.5 79.8 | 71.5 79.8 | 71.5 79.8 | 71.5 79.8 | 71.5 79.8 | 71.5 79.8 |
| ≥ 18000 ≥ 16000 | 79.9 80.9 | 80.5 81.5 | 80.6 81.6 | 80.6 81.7 | 80.7 81.7 | 80.7 81.7 | 80.7 81.8 | 80.7 81.8 | 80.7 81.8 | 80.7 81.8 | 80.7 81.8 | 80.7 81.8 | 80.7 81.8 | 80.7 81.8 | 80.8 81.8 | 80.8 81.8 |
| ≥ 14000 ≥ 12000 | 83.1 85.0 | 83.7 85.6 | 83.8 85.8 | 83.9 85.8 | 83.9 85.9 | 83.9 85.9 | 83.9 85.9 | 83.9 85.9 | 83.9 85.9 | 84.0 85.9 | 84.0 85.9 | 84.0 85.9 | 84.0 85.9 | 84.0 85.9 | 84.0 86.0 | 84.0 86.0 |
| ≥ 10000 ≥ 9000 | 86.4 87.0 | 87.1 87.7 | 87.2 87.9 | 87.3 87.9 | 87.3 88.0 | 87.3 88.0 | 87.4 88.0 | 87.4 88.0 | 87.4 88.0 | 87.4 88.1 | 87.4 88.1 | 87.4 88.1 | 87.4 88.1 | 87.4 88.1 | 87.4 88.1 | 87.5 88.1 |
| ≥ 8000 ≥ 7000 | 88.2 89.7 | 89.0 90.5 | 89.2 90.7 | 89.2 90.8 | 89.3 90.9 | 89.3 90.9 | 89.4 90.9 | 89.4 90.9 | 89.4 90.9 | 89.4 91.0 | 89.4 91.0 | 89.4 91.0 | 89.4 91.0 | 89.4 91.0 | 89.4 91.0 | 89.4 91.0 |
| ≥ 6000 ≥ 5000 | 91.3 93.1 | 92.2 94.3 | 92.4 94.5 | 92.5 94.6 | 92.6 94.8 | 92.6 94.8 | 92.6 94.8 | 92.6 94.8 | 92.6 94.8 | 92.7 94.9 | 92.7 94.9 | 92.7 94.9 | 92.7 94.9 | 92.7 94.9 | 92.7 94.9 | 92.7 94.9 |
| ≥ 4500 ≥ 4000 | 93.9 94.8 | 95.1 96.1 | 95.4 96.4 | 95.5 96.5 | 95.6 96.6 | 95.6 96.6 | 95.7 96.7 | 95.7 96.7 | 95.7 96.7 | 95.7 96.8 | 95.8 96.8 | 95.8 96.8 | 95.8 96.8 | 95.8 96.8 | 95.8 96.8 | 95.8 96.8 |
| ≥ 3500 ≥ 3000 | 95.3 95.8 | 96.8 97.4 | 97.0 97.7 | 97.2 97.9 | 97.3 98.1 | 97.4 98.1 | 97.4 98.2 | 97.5 98.2 | 97.5 98.2 | 97.5 98.2 | 97.5 98.2 | 97.5 98.2 | 97.5 98.2 | 97.5 98.2 | 97.5 98.3 | 97.6 98.3 |
| ≥ 2500 ≥ 2000 | 96.2 96.4 | 97.3 98.1 | 98.2 98.5 | 98.3 98.7 | 98.6 98.9 | 98.6 98.9 | 98.7 99.0 | 98.7 99.0 | 98.7 99.0 | 98.7 99.1 | 98.8 99.1 | 98.8 99.1 | 98.8 99.1 | 98.8 99.1 | 98.8 99.2 | 98.8 99.2 |
| ≥ 1800 ≥ 1500 | 96.4 96.5 | 98.2 98.3 | 98.6 98.7 | 98.8 98.9 | 99.0 99.1 | 99.0 99.1 | 99.1 99.2 | 99.1 99.3 | 99.1 99.3 | 99.2 99.3 | 99.2 99.3 | 99.2 99.3 | 99.2 99.3 | 99.2 99.3 | 99.3 99.3 | 99.3 99.4 |
| ≥ 1200 ≥ 1000 | 96.5 96.5 | 98.3 98.4 | 98.8 98.9 | 98.9 99.0 | 99.2 99.3 | 99.2 99.3 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.7 | 99.5 99.7 |
| ≥ 900 ≥ 800 | 96.5 96.6 | 98.4 98.5 | 98.9 98.9 | 99.0 99.1 | 99.3 99.4 | 99.3 99.4 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.6 99.6 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.7 99.7 | 99.7 99.7 |
| ≥ 700 ≥ 600 | 96.6 96.6 | 98.5 98.5 | 98.9 98.9 | 99.1 99.1 | 99.4 99.4 | 99.4 99.4 | 99.6 99.6 | 99.6 99.7 | 99.6 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.8 | 99.7 99.8 | 99.8 99.8 |
| ≥ 500 ≥ 400 | 96.6 96.6 | 98.5 98.5 | 98.9 98.9 | 99.1 99.2 | 99.4 99.5 | 99.5 99.5 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.9 | 99.8 99.9 | 99.9 99.9 |
| ≥ 300 ≥ 200 | 96.6 96.6 | 98.5 98.5 | 98.9 98.9 | 99.2 99.2 | 99.5 99.5 | 99.5 99.5 | 99.7 99.7 | 99.7 99.8 | 99.7 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.9 | 99.8 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 |
| ≥ 100 0 | 96.6 96.6 | 98.5 98.5 | 98.9 98.9 | 99.2 99.2 | 99.5 99.5 | 99.5 99.5 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19818

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 71.9 | 72.2 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 20000 | 80.4 | 80.7 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 18000 | 81.2 | 81.5 | 81.6 | 81.6 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.7 | 81.8 |
| ≥ 16000 | 82.4 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 14000 | 84.6 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 12000 | 86.8 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 10000 | 88.5 | 88.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 9000 | 89.2 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 8000 | 90.5 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 7000 | 91.7 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 6000 | 93.4 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 5000 | 95.6 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 4500 | 96.1 | 96.7 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 4000 | 96.9 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 3500 | 97.3 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 3000 | 97.8 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2500 | 98.1 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2000 | 98.2 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.2 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.3 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.3 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 98.4 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 17681

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 72.4 | 72.7 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 | 72.9 |
| ≥ 20000 | 81.7 | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 18000 | 82.5 | 82.6 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 16000 | 83.8 | 84.2 | 84.2 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.5 | 84.5 | 84.5 | 84.5 |
| ≥ 14000 | 85.0 | 86.3 | 86.4 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 |
| ≥ 12000 | 87.8 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 10000 | 89.1 | 89.5 | 89.6 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 9000 | 89.6 | 90.0 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 |
| ≥ 8000 | 90.7 | 91.1 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 7000 | 92.0 | 92.5 | 92.6 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 |
| ≥ 6000 | 93.5 | 94.0 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 |
| ≥ 5000 | 95.4 | 96.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 4500 | 95.9 | 96.5 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 4000 | 96.7 | 97.4 | 97.5 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 3500 | 97.4 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 3000 | 97.8 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2500 | 98.0 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 2000 | 98.1 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1600 | 98.2 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1500 | 98.2 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.3 | 99.2 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 900 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 800 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 20124

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING ≥ 20000 | 78.9 86.9 | 79.4 87.4 | 79.5 87.4 | 79.5 87.5 | 79.6 87.6 | 79.6 87.6 | 79.6 87.6 | 79.7 87.6 | 79.7 87.6 | 79.7 87.6 | 79.7 87.7 | 79.7 87.7 | 79.7 87.7 | 79.7 87.7 | 79.7 87.7 | 79.7 87.7 |
| ≥ 18000 ≥ 16000 | 87.5 88.5 | 88.0 89.1 | 88.1 89.1 | 88.1 89.2 | 88.2 89.2 | 88.2 89.3 | 88.2 89.3 | 88.3 89.3 | 88.3 89.3 | 88.3 89.3 | 88.3 89.4 | 88.3 89.4 | 88.3 89.4 | 88.3 89.4 | 88.3 89.4 | 88.3 89.4 |
| ≥ 14000 ≥ 12000 | 90.0 91.7 | 90.6 92.3 | 90.6 92.3 | 90.7 92.4 | 90.8 92.5 | 90.8 92.5 | 90.8 92.5 | 90.8 92.6 | 90.8 92.6 | 90.9 92.6 | 90.9 92.6 | 90.9 92.6 | 90.9 92.6 | 90.9 92.6 | 90.9 92.6 | 90.9 92.6 |
| ≥ 10000 ≥ 9000 | 93.1 93.5 | 93.7 94.1 | 93.7 94.1 | 93.8 94.2 | 93.9 94.3 | 93.9 94.3 | 93.9 94.4 | 94.0 94.4 | 94.0 94.4 | 94.0 94.4 | 94.0 94.4 | 94.0 94.4 | 94.1 94.5 | 94.1 94.5 | 94.1 94.5 | 94.1 94.5 |
| ≥ 8000 ≥ 7000 | 94.5 95.5 | 95.1 96.1 | 95.2 96.2 | 95.2 96.3 | 95.3 96.3 | 95.3 96.4 | 95.4 96.4 | 95.4 96.5 | 95.4 96.5 | 95.4 96.5 | 95.4 96.5 | 95.4 96.5 | 95.5 96.5 | 95.5 96.5 | 95.5 96.6 | 95.5 96.6 |
| ≥ 6000 ≥ 5000 | 96.6 97.6 | 97.3 98.3 | 97.4 98.5 | 97.5 98.5 | 97.6 98.6 | 97.6 98.7 | 97.7 98.7 | 97.7 98.8 | 97.7 98.8 | 97.8 98.8 | 97.8 98.9 | 97.8 98.9 | 97.8 98.9 | 97.8 98.9 | 97.8 98.9 | 97.8 98.9 |
| ≥ 4500 ≥ 4000 | 97.7 98.1 | 98.5 98.9 | 98.6 99.0 | 98.7 99.1 | 98.8 99.2 | 98.8 99.2 | 98.9 99.3 | 98.9 99.3 | 98.9 99.3 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.1 99.4 | 99.1 99.4 | 99.1 99.4 | 99.1 99.4 |
| ≥ 3500 ≥ 3000 | 98.2 98.3 | 99.0 99.1 | 99.1 99.3 | 99.2 99.3 | 99.3 99.4 | 99.3 99.5 | 99.4 99.5 | 99.4 99.6 | 99.4 99.6 | 99.5 99.6 | 99.5 99.7 | 99.5 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 |
| ≥ 2500 ≥ 2000 | 98.4 98.4 | 99.2 99.3 | 99.4 99.4 | 99.4 99.5 | 99.6 99.6 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 |
| ≥ 1800 ≥ 1500 | 98.4 98.5 | 99.3 99.3 | 99.4 99.5 | 99.5 99.5 | 99.6 99.7 | 99.6 99.7 | 99.7 99.8 | 99.7 99.8 | 99.8 99.8 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 99.9 100.0 |
| ≥ 1200 ≥ 1000 | 98.5 98.5 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 900 ≥ 800 | 98.5 98.5 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 700 ≥ 600 | 98.5 98.5 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 500 ≥ 400 | 98.5 98.5 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 300 ≥ 200 | 98.5 98.5 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 100 ≥ 0 | 98.5 98.5 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 20175

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (EST.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 85.1 93.1 | 85.3 93.2 | 85.4 93.3 | 85.4 93.4 | 85.4 93.4 | 85.4 93.4 | 85.4 93.4 | 85.4 93.4 | 85.4 93.4 | 85.4 93.4 | 85.4 93.4 | 85.4 93.4 | 85.5 93.4 | 85.5 93.4 | 85.5 93.4 | 85.5 93.4 |
| ≥ 18000 IV 16000 | 93.5 94.5 | 93.7 94.7 | 93.7 94.8 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 | 93.8 94.9 |
| IV 14000 IV 12000 | 95.7 96.8 | 96.1 97.0 | 96.2 97.1 | 96.2 97.2 | 96.2 97.2 | 96.2 97.2 | 96.2 97.2 | 96.2 97.2 | 96.2 97.2 | 96.3 97.2 | 96.3 97.2 | 96.3 97.2 | 96.3 97.2 | 96.3 97.2 | 96.3 97.2 | 96.3 97.2 |
| IV 10000 IV 9000 | 97.4 97.6 | 97.7 97.8 | 97.8 97.9 | 97.8 98.0 | 97.8 98.0 | 97.8 98.0 | 97.8 98.0 | 97.8 98.0 | 97.8 98.0 | 97.8 98.0 | 97.9 98.0 | 97.9 98.0 | 97.9 98.1 | 97.9 98.1 | 97.9 98.1 | 97.9 98.1 |
| IV 8000 IV 7000 | 98.0 98.4 | 98.3 98.7 | 98.4 98.8 | 98.4 98.9 | 98.4 98.9 | 98.4 98.9 | 98.5 98.9 | 98.5 98.9 | 98.5 98.9 | 98.5 98.9 | 98.5 98.9 | 98.5 98.9 | 98.5 98.9 | 98.5 98.9 | 98.5 98.9 | 98.5 98.9 |
| IV 6000 IV 5000 | 98.9 99.2 | 99.2 99.5 | 99.3 99.6 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.8 | 99.4 99.8 | 99.4 99.8 | 99.4 99.8 | 99.4 99.8 | 99.4 99.8 | 99.4 99.8 |
| IV 4500 IV 4000 | 99.2 99.3 | 99.5 99.6 | 99.6 99.8 | 99.7 99.8 | 99.7 99.9 | 99.7 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 |
| IV 3500 IV 3000 | 99.3 99.3 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 2500 IV 2000 | 99.3 99.3 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 99.9 100.0 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 1800 IV 1500 | 99.3 99.3 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 99.9 100.0 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 1200 IV 1000 | 99.3 99.3 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 99.9 100.0 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 900 IV 800 | 99.3 99.3 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 99.9 100.0 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 700 IV 600 | 99.3 99.3 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 99.9 100.0 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 500 IV 400 | 99.3 99.4 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 99.9 100.0 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 300 IV 200 | 99.4 99.4 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 100 0 | 99.4 99.4 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 21137

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 89.6 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 20000 | 93.2 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 18000 | 93.6 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| IV 16000 | 94.4 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 14000 | 95.8 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| IV 12000 | 97.5 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 10000 | 98.3 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 |
| IV 9000 | 98.5 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 |
| ≥ 8000 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 7000 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 6000 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 5000 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 20541

DATA PROCESSING BRANCH
USAF ETAC
Aik WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 68.1 | 68.3 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.4 | 68.5 |
| ≥ 20000 | 76.7 | 77.0 | 77.0 | 77.1 | 77.1 | 77.1 | 77.1 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥ 18000 | 77.5 | 77.8 | 77.8 | 77.8 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 16000 | 79.5 | 79.8 | 79.8 | 79.9 | 79.9 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| ≥ 14000 | 85.3 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 |
| ≥ 12000 | 91.7 | 92.1 | 92.2 | 92.2 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 |
| ≥ 10000 | 94.2 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 |
| ≥ 9000 | 95.3 | 95.7 | 95.8 | 95.8 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 |
| ≥ 8000 | 96.7 | 97.1 | 97.3 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 |
| ≥ 7000 | 97.5 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 |
| ≥ 6000 | 97.9 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 5000 | 98.3 | 99.0 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 98.3 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| ≥ 4000 | 98.4 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 98.4 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 98.4 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2500 | 98.4 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 98.4 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.4 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.4 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.4 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.4 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.4 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 700 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 600 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 500 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 21018

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 72.1 | 72.3 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 | 72.4 |
| ≥ 20000 | 80.1 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 |
| IV 18000 | 80.8 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| IV 16000 | 82.1 | 82.3 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| IV 14000 | 86.5 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| IV 12000 | 91.7 | 91.9 | 92.0 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 |
| IV 10000 | 93.7 | 94.0 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 |
| IV 9000 | 94.7 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 8000 | 96.0 | 96.4 | 96.5 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 |
| IV 7000 | 96.9 | 97.4 | 97.5 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 6000 | 97.5 | 98.0 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 |
| IV 5000 | 98.1 | 98.5 | 98.7 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 4500 | 98.1 | 98.6 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 4000 | 98.3 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 |
| IV 3500 | 98.3 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 |
| IV 3000 | 98.3 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 |
| IV 2500 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| IV 2000 | 98.4 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| IV 1800 | 98.4 | 98.9 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1500 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 1200 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 1000 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 900 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 800 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 700 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 600 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 500 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 400 | 98.4 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 300 | 98.4 | 99.0 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 200 | 98.4 | 99.0 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 100 | 98.4 | 99.0 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 0 | 98.4 | 99.0 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 21502

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL
HOURS 11 ST

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 84.6 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 |
| ≥ 20000 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 18000 | 88.6 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 16000 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 14000 | 91.3 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 12000 | 94.0 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 |
| ≥ 10000 | 95.5 | 95.7 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 9000 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 |
| ≥ 8000 | 96.8 | 97.0 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 7000 | 97.5 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 6000 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 5000 | 98.7 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 98.8 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 4000 | 98.9 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 3500 | 99.0 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.1 | 99.4 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.1 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.1 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1800 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1500 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1200 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1000 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 20384

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (L.S.T.)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥1/16 | ≥1/8 | ≥0 |
| NO CEILING | 82.2 | 82.5 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 | 82.6 |
| ≥ 20000 | 86.8 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 18000 | 87.2 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 16000 | 88.0 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 14000 | 89.9 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 12000 | 91.8 | 92.2 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 10000 | 93.1 | 93.5 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 9000 | 93.8 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 |
| ≥ 8000 | 94.7 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 7000 | 95.6 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 6000 | 96.7 | 97.3 | 97.4 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 5000 | 97.8 | 98.4 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 4500 | 98.0 | 98.5 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 4000 | 98.2 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 3500 | 98.4 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3000 | 98.5 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.6 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.6 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.7 | 99.3 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.7 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.7 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1000 | 98.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 98.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.7 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 20903

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS 11 5 *

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 78.1 | 79.0 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 20000 | 84.9 | 86.0 | 86.2 | 86.4 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 |
| ≥ 18000 | 85.4 | 86.5 | 86.7 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 16000 | 86.4 | 87.5 | 87.8 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 14000 | 88.1 | 89.3 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 12000 | 89.6 | 90.8 | 91.1 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 10000 | 91.0 | 92.2 | 92.5 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 |
| ≥ 9000 | 91.4 | 92.7 | 93.0 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 |
| ≥ 8000 | 92.4 | 93.7 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 7000 | 93.4 | 94.7 | 95.0 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 |
| ≥ 6000 | 94.6 | 95.9 | 96.2 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 |
| ≥ 5000 | 95.9 | 97.3 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 4500 | 96.2 | 97.6 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4000 | 96.6 | 98.1 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 3500 | 96.9 | 98.4 | 98.7 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 |
| ≥ 3000 | 97.0 | 98.6 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 2500 | 97.2 | 98.8 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2000 | 97.2 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 97.2 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 1500 | 97.3 | 98.9 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1200 | 97.3 | 99.0 | 99.3 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 97.3 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 97.3 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.3 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 97.3 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 97.3 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 97.4 | 99.1 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 97.4 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.4 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.4 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.4 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.4 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19930

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 71.4 | 72.4 | 72.5 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.8 | 72.8 |
| ≥ 20000 | 79.4 | 80.5 | 80.6 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 |
| ≥ 18000 | 80.1 | 81.2 | 81.3 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 16000 | 81.4 | 82.6 | 82.7 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 |
| ≥ 14000 | 83.8 | 85.0 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 |
| ≥ 12000 | 85.9 | 87.1 | 87.3 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 10000 | 87.4 | 88.7 | 88.8 | 88.9 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 |
| ≥ 9000 | 88.0 | 89.3 | 89.5 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 |
| ≥ 8000 | 89.4 | 90.7 | 90.9 | 91.0 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 |
| ≥ 7000 | 91.0 | 92.3 | 92.5 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 |
| ≥ 6000 | 92.6 | 94.0 | 94.2 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 |
| ≥ 5000 | 94.5 | 96.0 | 96.2 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 |
| ≥ 4500 | 95.0 | 96.5 | 96.8 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 |
| ≥ 4000 | 95.7 | 97.3 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 3500 | 96.0 | 97.6 | 97.9 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 3000 | 96.3 | 98.0 | 98.3 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 |
| ≥ 2500 | 96.5 | 98.3 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| ≥ 2000 | 96.6 | 98.5 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 1800 | 96.6 | 98.5 | 98.8 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 1500 | 96.7 | 98.6 | 98.9 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 |
| ≥ 1200 | 96.8 | 98.7 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 1000 | 96.8 | 98.7 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 900 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 700 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 600 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 300 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 200 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 100 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 0 | 96.8 | 98.7 | 99.1 | 99.3 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 19991

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AF, ARIZONA/CHANDLER
STATION NAME

43-61,64-65,73
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ¾ | ¾ | ¾ | ¾ | ¾ | ≥0 |
| NO CEILING | 75.5 | 75.6 | 75.6 | 75.7 | 75.7 | 75.7 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 | 75.8 |
| ≥ 20000 | 80.2 | 80.3 | 80.3 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 18000 | 81.1 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 | 81.5 |
| ≥ 16000 | 81.9 | 82.0 | 82.0 | 82.2 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 14000 | 83.6 | 83.7 | 83.7 | 83.8 | 83.8 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 12000 | 86.2 | 86.3 | 86.3 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 10000 | 87.5 | 87.7 | 87.7 | 87.8 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 9000 | 88.0 | 88.2 | 88.2 | 88.3 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 8000 | 88.8 | 89.0 | 89.1 | 89.2 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 7000 | 90.6 | 91.2 | 91.3 | 91.4 | 91.5 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 6000 | 92.1 | 92.7 | 92.8 | 92.9 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 5000 | 94.5 | 95.3 | 95.4 | 95.5 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 4500 | 95.2 | 96.0 | 96.1 | 96.2 | 96.5 | 96.5 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 4000 | 96.0 | 97.1 | 97.2 | 97.4 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 3500 | 96.4 | 97.7 | 97.8 | 98.0 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 3000 | 96.7 | 98.1 | 98.2 | 98.4 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 2500 | 96.9 | 98.4 | 98.6 | 98.7 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2000 | 97.0 | 98.6 | 98.8 | 98.9 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 97.0 | 98.6 | 98.8 | 98.9 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 97.1 | 98.7 | 98.9 | 99.0 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1200 | 97.1 | 98.8 | 99.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 97.1 | 98.8 | 99.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 97.1 | 98.8 | 99.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 97.1 | 98.8 | 99.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 97.1 | 98.8 | 99.0 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 97.1 | 98.9 | 99.0 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 97.1 | 98.9 | 99.0 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 97.1 | 98.9 | 99.0 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 97.1 | 98.9 | 99.0 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 97.1 | 98.9 | 99.0 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 97.1 | 98.9 | 99.0 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 97.1 | 98.9 | 99.0 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1888

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER

43-74

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 75.8 80.4 | 76.0 80.7 | 76.1 80.7 | 76.1 80.7 | 76.1 80.8 | 76.2 80.8 | 76.3 80.9 | 76.3 80.9 | 76.3 80.9 | 76.3 80.9 | 76.3 80.9 | 76.3 80.9 | 76.3 80.9 | 76.4 81.0 | 76.4 81.0 | 76.4 81.0 |
| IV 18000 | 81.2 | 81.5 | 81.5 | 81.5 | 81.6 | 81.6 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.9 | 81.9 |
| IV 16000 | 82.2 | 82.5 | 82.5 | 82.5 | 82.6 | 82.6 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.7 | 82.8 | 82.8 | 82.8 |
| IV 14000 | 83.6 | 83.8 | 83.9 | 83.9 | 83.9 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 | 84.2 | 84.2 |
| IV 12000 | 85.4 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 |
| IV 10000 | 87.1 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 |
| IV 9000 | 87.5 | 87.8 | 87.9 | 87.9 | 88.0 | 88.1 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 |
| IV 8000 | 88.6 | 89.0 | 89.1 | 89.1 | 89.2 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 |
| IV 7000 | 90.4 | 90.8 | 90.9 | 90.9 | 91.0 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 |
| IV 6000 | 92.3 | 92.9 | 92.9 | 92.9 | 93.1 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 |
| IV 5000 | 93.9 | 94.7 | 94.8 | 94.8 | 95.0 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 |
| IV 4500 | 94.6 | 95.5 | 95.6 | 95.6 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 |
| IV 4000 | 95.5 | 96.6 | 96.8 | 96.8 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 |
| IV 3500 | 95.9 | 97.2 | 97.4 | 97.4 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| IV 3000 | 96.3 | 97.6 | 97.7 | 97.7 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 2500 | 96.8 | 98.3 | 98.4 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 |
| IV 2000 | 96.8 | 98.5 | 98.6 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 |
| IV 1800 | 98.9 | 98.5 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| IV 1500 | 97.0 | 98.6 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 |
| IV 1200 | 97.0 | 98.6 | 98.8 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 |
| IV 1000 | 97.0 | 98.8 | 98.9 | 98.9 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| IV 900 | 97.0 | 98.8 | 98.9 | 98.9 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| IV 800 | 97.0 | 98.8 | 98.9 | 98.9 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| IV 700 | 97.0 | 98.8 | 99.0 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 |
| IV 600 | 97.0 | 98.8 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| IV 500 | 97.0 | 98.8 | 99.0 | 99.0 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| IV 400 | 97.0 | 98.8 | 99.0 | 99.0 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| IV 300 | 97.0 | 98.8 | 99.0 | 99.0 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| IV 200 | 97.0 | 98.8 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 100 | 97.0 | 98.8 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 0 | 97.0 | 98.8 | 99.0 | 99.0 | 99.4 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2167

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 71.9 | 72.3 | 72.6 | 72.6 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.8 | 72.8 | 72.8 | 72.8 | 72.8 | 72.9 | 72.9 |
| ≥ 20000 | 77.9 | 78.4 | 78.7 | 78.7 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 | 79.0 | 79.0 |
| ≥ 18000 | 78.7 | 79.2 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.8 | 79.9 |
| ≥ 16000 | 80.0 | 80.4 | 80.7 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.1 |
| ≥ 14000 | 82.0 | 82.3 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.2 |
| ≥ 12000 | 83.9 | 84.4 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.0 | 85.1 |
| ≥ 10000 | 85.2 | 85.7 | 86.0 | 86.0 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 |
| ≥ 9000 | 86.0 | 86.4 | 86.8 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.2 | 87.3 |
| ≥ 8000 | 87.5 | 88.0 | 88.4 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 | 88.9 | 88.9 |
| ≥ 7000 | 88.6 | 89.2 | 89.5 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 90.1 | 90.1 |
| ≥ 6000 | 91.0 | 91.8 | 92.1 | 92.2 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.7 |
| ≥ 5000 | 93.1 | 94.2 | 94.6 | 94.7 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 |
| ≥ 4500 | 93.6 | 94.8 | 95.1 | 95.2 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.8 | 95.9 |
| ≥ 4000 | 94.4 | 95.7 | 96.1 | 96.2 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.8 |
| ≥ 3500 | 94.7 | 96.1 | 96.5 | 96.6 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.3 |
| ≥ 3000 | 95.2 | 96.8 | 97.2 | 97.4 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.1 |
| ≥ 2500 | 95.6 | 97.2 | 97.7 | 97.9 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 |
| ≥ 2000 | 95.8 | 97.5 | 98.0 | 98.2 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 |
| ≥ 1800 | 95.9 | 97.5 | 98.0 | 98.2 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.9 | 99.0 |
| ≥ 1500 | 95.9 | 97.6 | 98.2 | 98.4 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 |
| ≥ 1200 | 95.9 | 97.6 | 98.2 | 98.4 | 98.5 | 98.5 | 98.7 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 |
| ≥ 1000 | 96.1 | 97.8 | 98.4 | 98.5 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3 | 99.4 |
| ≥ 900 | 96.1 | 97.8 | 98.4 | 98.5 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 |
| ≥ 800 | 96.1 | 97.8 | 98.4 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.5 |
| ≥ 700 | 96.1 | 97.9 | 98.5 | 98.7 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.6 |
| ≥ 600 | 96.1 | 98.0 | 98.5 | 98.7 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 |
| ≥ 500 | 96.1 | 98.0 | 98.5 | 98.8 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.7 |
| ≥ 400 | 96.1 | 98.0 | 98.6 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 |
| ≥ 300 | 96.1 | 98.0 | 98.6 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.8 |
| ≥ 200 | 96.1 | 98.0 | 98.6 | 98.8 | 99.1 | 99.1 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.9 |
| ≥ 100 | 96.1 | 98.1 | 98.7 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 100.0 |
| ≥ 0 | 96.1 | 98.1 | 98.7 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2685

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥1/16 | ≥1/8 | ≥0 |
| NO CEILING ≥ 20000 | 68.8 76.9 | 70.1 78.1 | 70.3 78.4 | 70.5 78.6 | 70.6 78.7 | 70.6 78.7 | 70.6 78.7 | 70.6 78.8 | 70.6 78.8 | 70.6 78.8 | 70.6 78.8 | 70.6 78.8 | 70.6 78.8 | 70.6 78.8 | 70.7 78.8 | 70.7 78.8 |
| ≥ 18000 ≥ 16000 | 78.2 79.1 | 79.5 80.4 | 79.8 80.6 | 79.9 80.8 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.1 81.0 | 80.2 81.1 |
| ≥ 14000 ≥ 12000 | 81.4 82.7 | 82.8 84.1 | 83.1 84.4 | 83.3 84.6 | 83.4 84.8 | 83.4 84.8 | 83.4 84.8 | 83.5 84.8 | 83.5 84.8 | 83.5 84.8 | 83.5 84.8 | 83.5 84.8 | 83.5 84.8 | 83.5 84.8 | 83.5 84.8 | 83.5 84.9 |
| ≥ 10000 ≥ 9000 | 84.4 85.0 | 85.8 86.4 | 86.1 86.7 | 86.3 86.9 | 86.4 87.0 | 86.4 87.0 | 86.4 87.0 | 86.4 87.0 | 86.4 87.0 | 86.4 87.0 | 86.4 87.0 | 86.4 87.0 | 86.4 87.0 | 86.4 87.0 | 86.5 87.1 | 86.5 87.1 |
| ≥ 8000 ≥ 7000 | 85.9 87.1 | 87.3 88.5 | 87.7 88.9 | 87.8 89.1 | 88.0 89.2 | 88.0 89.2 | 88.0 89.2 | 88.0 89.3 | 88.0 89.3 | 88.0 89.4 | 88.0 89.4 | 88.0 89.4 | 88.0 89.4 | 88.0 89.4 | 88.1 89.5 | 88.1 89.5 |
| ≥ 6000 ≥ 5000 | 88.8 91.1 | 90.3 92.7 | 90.6 93.4 | 90.8 93.7 | 91.1 94.0 | 91.1 94.0 | 91.1 94.0 | 91.1 94.1 | 91.1 94.1 | 91.3 94.2 | 91.3 94.2 | 91.3 94.2 | 91.3 94.2 | 91.3 94.2 | 91.3 94.2 | 91.3 94.3 |
| ≥ 4500 ≥ 4000 | 92.2 93.0 | 93.8 94.8 | 94.4 95.4 | 94.8 95.8 | 95.1 96.1 | 95.1 96.1 | 95.1 96.1 | 95.2 96.2 | 95.2 96.2 | 95.3 96.3 | 95.3 96.3 | 95.3 96.3 | 95.3 96.3 | 95.3 96.3 | 95.4 96.4 | 95.4 96.4 |
| ≥ 3500 ≥ 3000 | 93.3 93.8 | 95.3 96.0 | 96.0 96.6 | 96.3 97.0 | 96.7 97.4 | 96.7 97.5 | 96.7 97.5 | 96.8 97.6 | 96.8 97.6 | 96.9 97.7 | 96.9 97.7 | 96.9 97.7 | 96.9 97.7 | 96.9 97.7 | 97.0 97.8 | 97.0 97.8 |
| ≥ 2500 ≥ 2000 | 94.2 94.5 | 96.3 96.7 | 97.0 97.4 | 97.4 97.8 | 97.9 98.2 | 97.9 98.3 | 98.0 98.4 | 98.1 98.5 | 98.1 98.5 | 98.2 98.6 | 98.2 98.6 | 98.2 98.6 | 98.2 98.6 | 98.2 98.6 | 98.2 98.6 | 98.3 98.7 |
| ≥ 1800 ≥ 1500 | 94.7 94.7 | 96.9 97.0 | 97.6 97.7 | 98.1 98.1 | 98.5 98.6 | 98.6 98.6 | 98.7 98.7 | 98.7 98.8 | 98.7 98.8 | 98.9 98.9 | 98.9 98.9 | 98.9 98.9 | 98.9 98.9 | 98.9 98.9 | 98.9 98.9 | 99.0 99.0 |
| ≥ 1200 ≥ 1000 | 94.8 94.9 | 97.2 97.4 | 97.9 98.1 | 98.3 98.5 | 98.8 99.0 | 98.8 99.0 | 98.9 99.2 | 99.0 99.2 | 99.0 99.2 | 99.1 99.4 | 99.1 99.4 | 99.1 99.4 | 99.1 99.4 | 99.1 99.4 | 99.2 99.4 | 99.2 99.5 |
| ≥ 900 ≥ 800 | 94.9 95.0 | 97.4 97.5 | 98.1 98.2 | 98.5 98.7 | 99.0 99.1 | 99.0 99.2 | 99.2 99.3 | 99.2 99.4 | 99.2 99.5 | 99.4 99.6 | 99.4 99.6 | 99.4 99.6 | 99.4 99.6 | 99.4 99.6 | 99.4 99.6 | 99.5 99.6 |
| ≥ 700 ≥ 600 | 95.0 95.0 | 97.5 97.5 | 98.2 98.2 | 98.7 98.7 | 99.2 99.2 | 99.2 99.2 | 99.4 99.4 | 99.5 99.5 | 99.5 99.5 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.7 99.7 | 99.8 99.8 |
| ≥ 500 ≥ 400 | 95.0 95.0 | 97.5 97.5 | 98.2 98.2 | 98.8 98.8 | 99.3 99.3 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.6 99.6 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 100.0 100.0 |
| ≥ 300 ≥ 200 | 95.0 95.0 | 97.5 97.5 | 98.2 98.2 | 98.8 98.8 | 99.3 99.3 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.6 99.6 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 100.0 100.0 |
| ≥ 100 0 | 95.0 95.0 | 97.5 97.5 | 98.2 98.2 | 98.8 98.8 | 99.3 99.3 | 99.3 99.3 | 99.5 99.5 | 99.6 99.6 | 99.6 99.6 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 100.0 100.0 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ¾ | ¾ | ¾ | ¾ | ≥5/16 | ≥¼ |
| NO CEILING | 66.5 | 67.6 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 | 67.7 |
| ≥ 20000 | 77.1 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 | 78.3 |
| ≥ 18000 | 78.2 | 79.3 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 | 79.4 |
| ≥ 16000 | 79.2 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 14000 | 81.6 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 12000 | 83.3 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 10000 | 84.8 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 9000 | 85.4 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 8000 | 86.6 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 7000 | 87.9 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 6000 | 88.9 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 5000 | 90.3 | 91.9 | 91.9 | 92.0 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 4500 | 91.5 | 93.1 | 93.1 | 93.2 | 93.3 | 93.3 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 4000 | 92.5 | 94.1 | 94.2 | 94.3 | 94.4 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 3500 | 93.3 | 95.1 | 95.2 | 95.3 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 3000 | 94.4 | 96.3 | 96.5 | 96.7 | 96.8 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 2500 | 95.1 | 97.0 | 97.3 | 97.5 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 2000 | 95.7 | 97.7 | 98.0 | 98.4 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 1800 | 95.8 | 97.8 | 98.2 | 98.5 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 1500 | 95.9 | 98.1 | 98.5 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1200 | 95.9 | 98.1 | 98.5 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1000 | 95.9 | 98.2 | 98.7 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 900 | 95.9 | 98.2 | 98.7 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 800 | 95.9 | 98.3 | 98.7 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 95.9 | 98.3 | 98.7 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 95.9 | 98.4 | 98.8 | 99.1 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 95.9 | 98.4 | 98.8 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 95.9 | 98.4 | 98.8 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 95.9 | 98.4 | 98.8 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 95.9 | 98.4 | 98.8 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 95.9 | 98.4 | 98.8 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 95.9 | 98.4 | 98.8 | 99.2 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS

2856

USAF ETAC

FORM
JUL 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAE

CEILING VERSUS VISIBILITY

23104

STATION

WILLIAMS AFB ARIZONA/CHANDLER

STATION NAME

43-74

YEARS

JAN

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥⅓ | ≥⅒ | ≥0 |
| NO CEILING | 64.6 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 20000 | 77.9 | 78.5 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 | 78.6 |
| ≥ 18000 | 79.0 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 |
| IV 16000 | 80.1 | 80.7 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 | 80.8 |
| IV 14000 | 83.0 | 83.7 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IV 12000 | 85.1 | 85.8 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| IV 10000 | 86.7 | 87.3 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| IV 9000 | 87.4 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| IV 8000 | 89.1 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| IV 7000 | 90.8 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| IV 6000 | 92.1 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 5000 | 93.6 | 94.6 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| IV 4500 | 94.3 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| IV 4000 | 95.1 | 96.2 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| IV 3500 | 95.9 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| IV 3000 | 96.5 | 98.1 | 98.4 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 2500 | 96.8 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 2000 | 96.9 | 98.6 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 |
| IV 1800 | 96.9 | 98.8 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 1500 | 96.9 | 98.8 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 1200 | 96.9 | 98.8 | 99.4 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| IV 1000 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| IV 900 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 800 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 700 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 600 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 500 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 400 | 96.9 | 98.9 | 99.4 | 99.5 | 99.5 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 96.9 | 98.9 | 99.4 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 96.9 | 98.9 | 99.4 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 96.9 | 98.9 | 99.4 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 96.9 | 98.9 | 99.4 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2774

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS, S.T.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 71.4 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 20000 | 81.0 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 | 81.4 |
| ≥ 18000 | 81.7 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 15000 | 83.1 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| ≥ 14000 | 85.3 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 12000 | 87.5 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 10000 | 88.5 | 89.0 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 9000 | 89.0 | 89.5 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 8000 | 90.5 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 7000 | 91.8 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 6000 | 93.4 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 5000 | 95.2 | 96.2 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 4500 | 95.7 | 96.7 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 4000 | 96.6 | 97.6 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 3500 | 97.3 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 3000 | 97.5 | 98.6 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 2500 | 97.8 | 98.9 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2000 | 97.8 | 99.0 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1800 | 97.8 | 99.0 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 97.8 | 99.0 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 97.8 | 99.0 | 99.4 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 97.8 | 99.1 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 97.8 | 99.1 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.8 | 99.1 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 97.8 | 99.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 97.8 | 99.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 97.8 | 99.1 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.8 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.8 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.8 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.8 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.8 | 99.1 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2510

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 74.7 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 74.9 | 75.0 | 75.0 |
| ≥ 20000 | 81.8 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| IV ≥ 18000 | 82.1 | 82.4 | 82.4 | 82.4 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 | 82.5 |
| IV ≥ 16000 | 83.2 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 |
| IV ≥ 14000 | 85.0 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 |
| IV ≥ 12000 | 87.0 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 |
| IV ≥ 10000 | 88.1 | 88.5 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| IV ≥ 9000 | 88.9 | 89.3 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 |
| IV ≥ 8000 | 89.8 | 90.3 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| IV ≥ 7000 | 91.6 | 92.1 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| IV ≥ 6000 | 92.9 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 |
| IV ≥ 5000 | 94.9 | 95.7 | 95.8 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 |
| IV ≥ 4500 | 95.7 | 96.7 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| IV ≥ 4000 | 96.2 | 97.5 | 97.7 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV ≥ 3500 | 96.5 | 97.9 | 98.1 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV ≥ 3000 | 96.8 | 98.4 | 98.6 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| IV ≥ 2500 | 97.0 | 98.7 | 98.9 | 99.0 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| IV ≥ 2000 | 97.2 | 98.9 | 99.0 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| IV ≥ 1800 | 97.2 | 98.9 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV ≥ 1500 | 97.2 | 98.9 | 99.1 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| IV ≥ 1200 | 97.2 | 98.9 | 99.1 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| IV ≥ 1000 | 97.2 | 98.9 | 99.1 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 900 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 800 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 700 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 600 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 500 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 400 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 300 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 200 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 100 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV ≥ 0 | 97.2 | 98.9 | 99.1 | 99.3 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 2092

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATIONWILLIAMS AFB ARIZONA/CHANDLER
STATION NAME43-60,64-65,73
YEARSFEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 76.7 | 77.0 | 77.0 | 77.0 | 77.0 | 77.0 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 | 77.2 |
| ≥ 20000 | 82.6 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 18000 | 83.4 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| IV 16000 | 84.5 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 14000 | 86.7 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| IV 12000 | 89.1 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 10000 | 90.4 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| IV 9000 | 90.8 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 8000 | 92.2 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| IV 7000 | 94.1 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 6000 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| IV 5000 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 4500 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 4000 | 98.1 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 3500 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 3000 | 98.7 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 99.1 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 2000 | 99.1 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1500 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 99.1 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1659

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| > 20000 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| ≥ 18000 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.1 | 84.2 |
| ≥ 15000 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 |
| ≥ 14000 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 12000 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.2 |
| ≥ 10000 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 9000 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 |
| ≥ 8000 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.1 |
| ≥ 7000 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 |
| ≥ 6000 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 |
| ≥ 5000 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 |
| ≥ 4500 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 |
| ≥ 4000 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 |
| ≥ 3500 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| ≥ 3000 | 98.6 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 2500 | 99.0 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 2000 | 99.0 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1800 | 99.0 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 1200 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 600 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 500 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1922

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING ≥ 20000 | 73.0 80.7 | 73.3 80.9 | 73.3 80.9 | 73.3 81.0 | 73.4 81.1 | 73.4 81.1 | 73.5 81.1 | 73.5 81.1 | 73.5 81.1 | 73.5 81.1 | 73.5 81.1 | 73.5 81.1 | 73.5 81.1 | 73.5 81.1 | 73.5 81.1 | 73.5 81.1 |
| ≥ 18000 ≥ 16000 | 81.6 82.4 | 81.8 82.7 | 81.8 82.7 | 81.9 82.7 | 82.0 82.8 | 82.0 82.8 | 82.0 82.9 | 82.0 82.9 | 82.0 82.9 | 82.0 82.9 | 82.0 82.9 | 82.0 82.9 | 82.0 82.9 | 82.0 82.9 | 82.0 82.9 | 82.0 82.9 |
| ≥ 14000 ≥ 12000 | 84.2 86.8 | 84.5 87.2 | 84.5 87.2 | 84.6 87.3 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 | 84.7 87.4 |
| ≥ 10000 ≥ 9000 | 88.6 89.4 | 89.0 89.8 | 89.0 89.8 | 89.1 89.9 | 89.2 90.0 | 89.2 90.0 | 89.3 90.1 | 89.3 90.1 | 89.3 90.1 | 89.3 90.1 | 89.3 90.1 | 89.3 90.1 | 89.3 90.1 | 89.3 90.1 | 89.3 90.1 | 89.3 90.1 |
| ≥ 8000 ≥ 7000 | 90.8 92.0 | 91.3 92.5 | 91.3 92.5 | 91.4 92.6 | 91.5 92.7 | 91.5 92.7 | 91.5 92.7 | 91.5 92.7 | 91.5 92.7 | 91.5 92.7 | 91.5 92.8 | 91.5 92.8 | 91.5 92.8 | 91.5 92.8 | 91.5 92.8 | 91.5 92.8 |
| ≥ 6000 ≥ 5000 | 93.8 96.0 | 94.3 96.6 | 94.3 96.6 | 94.5 96.8 | 94.6 96.8 | 94.6 96.8 | 94.6 96.9 | 94.6 96.9 | 94.6 96.9 | 94.6 96.9 | 94.6 96.9 | 94.6 96.9 | 94.6 96.9 | 94.6 96.9 | 94.6 96.9 | 94.6 96.9 |
| ≥ 4500 ≥ 4000 | 96.5 97.3 | 97.1 97.9 | 97.1 97.9 | 97.3 98.0 | 97.3 98.1 | 97.3 98.1 | 97.4 98.2 | 97.4 98.2 | 97.4 98.2 | 97.4 98.3 | 97.4 98.3 | 97.4 98.3 | 97.4 98.3 | 97.4 98.3 | 97.4 98.3 | 97.4 98.3 |
| ≥ 3500 ≥ 3000 | 97.8 98.3 | 98.5 99.0 | 98.5 99.0 | 98.6 99.2 | 98.7 99.3 | 98.7 99.3 | 98.8 99.3 | 98.8 99.3 | 98.8 99.3 | 98.8 99.4 | 98.9 99.4 | 98.9 99.4 | 98.9 99.4 | 98.9 99.4 | 98.9 99.4 | 98.9 99.4 |
| ≥ 2500 ≥ 2000 | 98.5 98.5 | 99.3 99.3 | 99.3 99.3 | 99.4 99.4 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 |
| ≥ 1800 ≥ 1500 | 98.5 98.7 | 99.3 99.5 | 99.3 99.5 | 99.4 99.6 | 99.5 99.7 | 99.5 99.7 | 99.5 99.8 | 99.5 99.8 | 99.5 99.8 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 |
| ≥ 1200 ≥ 1000 | 98.7 98.7 | 99.5 99.5 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 900 ≥ 800 | 98.7 98.7 | 99.5 99.5 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 700 ≥ 600 | 98.7 98.7 | 99.5 99.5 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 500 ≥ 400 | 98.7 98.7 | 99.5 99.5 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 |
| ≥ 300 ≥ 200 | 98.7 98.7 | 99.5 99.5 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 |
| ≥ 100 0 | 98.7 98.7 | 99.5 99.5 | 99.5 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2405

USAF ETAC

FORM
1-71 64

0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATIONWILLIAMS AFB ARIZONA/CHANDLER
STATION NAME43-74
YEARSFEB
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)0900-1100
HOURS U.S.T.

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 70.4 | 71.1 | 71.1 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 | 71.2 |
| ≥ 20000 | 79.7 | 80.5 | 80.6 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 | 80.7 |
| ≥ 18000 | 80.6 | 81.4 | 81.5 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 | 81.6 |
| ≥ 16000 | 81.7 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 14000 | 84.3 | 85.4 | 85.5 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 |
| ≥ 12000 | 86.1 | 87.3 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 10000 | 87.7 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 9000 | 88.6 | 89.9 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 8000 | 90.2 | 91.5 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| ≥ 7000 | 91.4 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 6000 | 92.8 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 5000 | 94.8 | 96.1 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 4500 | 95.1 | 96.4 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 4000 | 95.9 | 97.3 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 3500 | 96.4 | 97.9 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 3000 | 97.0 | 98.6 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2500 | 97.1 | 98.6 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 2000 | 97.5 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 97.6 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1500 | 97.6 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 97.6 | 99.2 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 900 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 97.7 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2563

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

1-FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|------|
| | ≥10 | ≥9 | ≥8 | ≥7 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥1 | ≥1/2 | ≥1/4 | ≥1/8 | ≥1/16 | ≥1/32 | ≥0 |
| NO CEILING | 68.4 | 68.9 | 69.0 | 69.0 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 | 69.1 |
| ≥ 20000 | 78.4 | 79.0 | 79.1 | 79.2 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 | 79.3 |
| ≥ 18000 | 79.1 | 79.7 | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 |
| IV 16000 | 80.0 | 80.7 | 80.8 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 14000 | 82.1 | 82.9 | 83.0 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| IV 12000 | 83.7 | 84.6 | 84.7 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| IV 10000 | 85.4 | 86.3 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| IV 9000 | 86.1 | 87.0 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| IV 8000 | 87.2 | 88.0 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 |
| IV 7000 | 88.4 | 89.3 | 89.5 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| IV 6000 | 90.2 | 91.1 | 91.3 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| IV 5000 | 92.8 | 93.9 | 94.1 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| IV 4500 | 93.4 | 94.5 | 94.7 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| IV 4000 | 94.6 | 95.8 | 96.2 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| IV 3500 | 95.1 | 96.5 | 96.8 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| IV 3000 | 96.1 | 97.4 | 97.8 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 2500 | 96.6 | 98.1 | 98.5 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 2000 | 96.9 | 98.4 | 99.0 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 1800 | 96.9 | 98.4 | 99.0 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 1500 | 96.9 | 98.5 | 99.1 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 1200 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1000 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 900 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 800 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 700 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 600 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 500 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 400 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 300 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 200 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 100 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 0 | 97.0 | 98.6 | 99.2 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 2577

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 65.7 | 66.5 | 66.1 | 66.1 | 66.1 | 66.1 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 | 66.2 |
| ≥ 20000 | 77.7 | 78.1 | 78.2 | 78.2 | 78.2 | 78.2 | 78.3 | 78.3 | 78.3 | 78.3 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 | 78.4 |
| ≥ 18000 | 78.4 | 78.5 | 78.9 | 78.9 | 78.9 | 78.9 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| ≥ 16000 | 79.7 | 80.1 | 80.3 | 80.3 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 14000 | 82.3 | 82.8 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 12000 | 84.6 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| ≥ 10000 | 86.3 | 86.7 | 86.9 | 86.9 | 86.9 | 86.9 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 9000 | 86.9 | 87.4 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 8000 | 88.1 | 88.7 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 7000 | 89.2 | 89.8 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 6000 | 91.7 | 92.4 | 92.6 | 92.6 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 5000 | 94.3 | 95.1 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 4500 | 95.0 | 95.8 | 96.0 | 96.1 | 96.2 | 96.2 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 4000 | 95.8 | 96.6 | 96.9 | 96.9 | 97.0 | 97.0 | 97.1 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 3500 | 96.2 | 97.1 | 97.3 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 3000 | 96.8 | 97.7 | 98.0 | 98.0 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 2500 | 97.3 | 98.4 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2000 | 97.5 | 98.7 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 97.5 | 98.7 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 97.6 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 97.6 | 98.9 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.7 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2497

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 71.0 | 71.3 | 71.3 | 71.3 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| ≥ 20000 | 80.1 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 |
| ≥ 18000 | 80.9 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 16000 | 82.7 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 14000 | 85.5 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 | 85.9 |
| ≥ 12000 | 87.5 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 10000 | 89.5 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 9000 | 90.1 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 8000 | 91.4 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 7000 | 92.4 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 6000 | 94.0 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 5000 | 96.7 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 4500 | 97.3 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 4000 | 98.0 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 3500 | 98.3 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 98.5 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 98.8 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.9 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.9 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.9 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2237

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB AR TX NA/CHANDLER

43-60,62-74

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 |
| ≥ 20000 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 18000 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 | 83.8 |
| ≥ 16000 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 14000 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 |
| ≥ 12000 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 10000 | 91.7 | 91.6 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 9000 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 8000 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 7000 | 94.8 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 |
| ≥ 6000 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 5000 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 4500 | 98.1 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 4000 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 3500 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 99.1 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 2500 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1821

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23134
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-60, 64-65, 73-74
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 | |
| NO CEILING | 77.4 | 77.5 | 77.5 | 77.5 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 | 77.6 |
| ≥ 20000 | 84.5 | 84.6 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 18000 | 85.0 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 16000 | 86.2 | 86.3 | 86.3 | 86.3 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 | 86.4 |
| ≥ 14000 | 88.7 | 88.8 | 88.8 | 88.9 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 12000 | 89.9 | 90.1 | 90.1 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 10000 | 91.4 | 91.5 | 91.5 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 9000 | 91.9 | 92.1 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 8000 | 93.2 | 93.4 | 93.4 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 7000 | 94.4 | 94.6 | 94.6 | 94.6 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 6000 | 95.6 | 96.0 | 96.0 | 96.0 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 5000 | 97.0 | 97.4 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 4500 | 97.4 | 97.7 | 97.7 | 97.8 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 4000 | 97.9 | 98.4 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 3500 | 98.2 | 98.8 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 3000 | 98.5 | 99.2 | 99.2 | 99.3 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.7 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.8 | 99.6 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.8 | 99.7 | 99.7 | 99.7 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1864

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAL

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ¾ | ¾ | ½ | ≥5/16 | ¼ | ≥0 |
| NO CEILING | 78.9 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.2 | 79.2 |
| ≥ 20000 | 84.3 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 |
| ≥ 18000 | 85.0 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 | 85.3 |
| ≥ 16000 | 86.4 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 |
| ≥ 14000 | 88.4 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 12000 | 90.4 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 10000 | 91.5 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 9000 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 |
| ≥ 8000 | 93.3 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 |
| ≥ 7000 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 |
| ≥ 6000 | 95.6 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 |
| ≥ 5000 | 96.8 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 4500 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 |
| ≥ 4000 | 97.8 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 |
| ≥ 3500 | 98.2 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 |
| ≥ 3000 | 98.5 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 2500 | 98.7 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 1800 | 98.7 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1500 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1200 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1000 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 98.8 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2162

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800
HOURS LT

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 73.0 | 73.3 | 73.4 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 | 73.6 |
| ≥ 20000 | 80.5 | 80.8 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.2 |
| ≥ 18000 | 81.2 | 81.5 | 81.7 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 | 81.9 |
| ≥ 15000 | 82.7 | 83.1 | 83.3 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.4 | 83.5 |
| ≥ 14000 | 85.1 | 85.4 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 |
| ≥ 12000 | 88.2 | 88.5 | 88.8 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 |
| ≥ 10000 | 89.3 | 89.6 | 89.9 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 |
| ≥ 9000 | 89.9 | 90.3 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.8 |
| ≥ 8000 | 91.1 | 91.5 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 |
| ≥ 7000 | 92.3 | 92.7 | 93.0 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 6000 | 93.6 | 94.0 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 5000 | 95.5 | 96.0 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 4500 | 96.1 | 96.5 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 |
| ≥ 4000 | 97.1 | 97.7 | 98.0 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 |
| ≥ 3500 | 97.7 | 98.5 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3000 | 98.0 | 98.7 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2500 | 98.3 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.4 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 1500 | 98.4 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 1200 | 98.5 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.5 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2715

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 70.1 | 70.8 | 70.8 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 | 70.9 |
| ≥ 20000 | 80.3 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 18000 | 81.1 | 81.9 | 81.9 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 16000 | 82.2 | 82.9 | 83.0 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 14000 | 84.2 | 84.9 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 12000 | 86.9 | 87.6 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 10000 | 88.7 | 89.5 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 9000 | 89.4 | 90.2 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 8000 | 90.6 | 91.4 | 91.6 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 7000 | 91.5 | 92.3 | 92.5 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 6000 | 92.6 | 93.5 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 5000 | 94.0 | 95.0 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 4500 | 94.4 | 95.5 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 4000 | 95.5 | 96.7 | 96.9 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 3500 | 96.5 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 3000 | 97.2 | 98.5 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| ≥ 2500 | 97.3 | 98.6 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| ≥ 2000 | 97.5 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 1800 | 97.5 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1500 | 97.6 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1200 | 97.7 | 99.1 | 99.3 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 97.8 | 99.2 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 97.8 | 99.2 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.8 | 99.2 | 99.5 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2913

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45,47-74
YEARS

MAK
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|---------------|----------------|----------------|----------------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING ≥ 20000 | 68.3 79.6 | 68.8 80.2 | 68.8 80.2 | 68.8 80.2 | 68.8 80.2 | 68.8 80.2 | 68.8 80.3 | 68.8 80.3 | 68.8 80.3 | 68.9 80.3 | 68.9 80.3 | 68.9 80.4 | 68.9 80.4 | 68.9 80.4 | 68.9 80.4 | 68.9 80.4 |
| ≥ 18000 ≥ 16000 | 80.3 81.6 | 80.8 82.2 | 80.8 82.2 | 80.8 82.2 | 80.9 82.2 | 80.9 82.2 | 80.9 82.3 | 80.9 82.3 | 80.9 82.3 | 81.0 82.3 | 81.0 82.3 | 81.0 82.4 | 81.1 82.4 | 81.1 82.4 | 81.1 82.4 | 81.1 82.4 |
| ≥ 14000 ≥ 12000 | 83.2 84.5 | 83.7 85.1 | 83.8 85.1 | 83.8 85.1 | 83.8 85.2 | 83.8 85.2 | 83.9 85.2 | 83.9 85.2 | 83.9 85.2 | 84.0 85.3 | 84.0 85.3 | 84.0 85.3 | 84.0 85.4 | 84.0 85.4 | 84.0 85.4 | 84.0 85.4 |
| ≥ 10000 ≥ 9000 | 85.9 86.3 | 86.5 86.9 | 86.6 87.0 | 86.6 87.0 | 86.6 87.1 | 86.6 87.1 | 86.7 87.1 | 86.7 87.1 | 86.7 87.1 | 86.8 87.2 | 86.8 87.2 | 86.8 87.2 | 86.8 87.3 | 86.8 87.3 | 86.8 87.3 | 86.8 87.3 |
| ≥ 8000 ≥ 7000 | 87.3 88.7 | 87.9 89.3 | 88.0 89.4 | 88.0 89.4 | 88.0 89.5 | 88.0 89.5 | 88.1 89.5 | 88.1 89.5 | 88.1 89.5 | 88.2 89.7 | 88.2 89.7 | 88.2 89.7 | 88.3 89.8 | 88.3 89.8 | 88.3 89.8 | 88.3 89.8 |
| ≥ 6000 ≥ 5000 | 90.6 93.3 | 91.4 94.2 | 91.6 94.4 | 91.7 94.5 | 91.7 94.5 | 91.7 94.5 | 91.8 94.6 | 91.8 94.6 | 91.8 94.6 | 91.9 94.7 | 91.9 94.7 | 92.0 94.8 | 92.0 94.8 | 92.0 94.8 | 92.0 94.8 | 92.0 94.8 |
| ≥ 4500 ≥ 4000 | 94.0 95.3 | 94.9 96.2 | 95.1 96.4 | 95.1 96.5 | 95.2 96.5 | 95.2 96.5 | 95.3 96.6 | 95.3 96.6 | 95.3 96.6 | 95.4 96.8 | 95.4 96.8 | 95.5 96.8 | 95.5 96.8 | 95.5 96.8 | 95.5 96.8 | 95.5 96.8 |
| ≥ 3500 ≥ 3000 | 96.4 96.8 | 97.4 97.7 | 97.6 98.0 | 97.6 98.0 | 97.7 98.2 | 97.7 98.2 | 97.8 98.2 | 97.8 98.2 | 97.8 98.2 | 98.0 98.4 | 98.0 98.4 | 98.0 98.4 | 98.0 98.4 | 98.0 98.4 | 98.0 98.4 | 98.0 98.4 |
| ≥ 2500 ≥ 2000 | 97.2 97.5 | 98.2 98.6 | 98.4 98.8 | 98.4 98.8 | 98.6 99.1 | 98.6 99.1 | 98.6 99.1 | 98.6 99.1 | 98.6 99.1 | 98.8 99.3 | 98.8 99.3 | 98.8 99.3 | 98.8 99.4 | 98.8 99.4 | 98.8 99.4 | 98.8 99.4 |
| ≥ 1800 ≥ 1500 | 97.6 97.6 | 98.7 98.8 | 98.9 99.0 | 98.9 99.1 | 99.3 99.4 | 99.3 99.4 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 |
| ≥ 1200 ≥ 1000 | 97.7 97.8 | 99.0 99.0 | 99.2 99.2 | 99.3 99.4 | 99.6 99.6 | 99.6 99.6 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 |
| ≥ 900 ≥ 800 | 97.8 97.8 | 99.0 99.0 | 99.2 99.2 | 99.4 99.4 | 99.6 99.6 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 700 ≥ 600 | 97.8 97.8 | 99.0 99.0 | 99.2 99.2 | 99.4 99.4 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 500 ≥ 400 | 97.8 97.8 | 99.0 99.0 | 99.2 99.2 | 99.4 99.4 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 300 ≥ 200 | 97.8 97.8 | 99.0 99.0 | 99.2 99.2 | 99.4 99.4 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 100 ≥ 0 | 97.8 97.8 | 99.0 99.0 | 99.2 99.2 | 99.4 99.4 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2327

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

JAN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 66.0 | 66.2 | 66.2 | 66.3 | 66.4 | 66.4 | 66.4 | 66.4 | 66.4 | 66.5 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 |
| ≥ 20000 | 79.6 | 79.9 | 79.9 | 80.1 | 80.1 | 80.1 | 80.3 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 |
| ≥ 18000 | 80.5 | 80.9 | 80.9 | 81.0 | 81.1 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 | 81.4 | 81.4 | 81.4 |
| ≥ 16000 | 82.0 | 82.4 | 82.4 | 82.6 | 82.6 | 82.6 | 82.8 | 82.8 | 82.8 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 |
| ≥ 14000 | 84.0 | 84.4 | 84.4 | 84.6 | 84.6 | 84.6 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.0 | 85.0 |
| ≥ 12000 | 85.6 | 86.0 | 86.0 | 86.1 | 86.2 | 86.2 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 |
| ≥ 10000 | 86.4 | 86.8 | 86.8 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 9000 | 87.0 | 87.4 | 87.4 | 87.6 | 87.7 | 87.7 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 8000 | 87.7 | 88.1 | 88.1 | 88.3 | 88.3 | 88.4 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 7000 | 89.1 | 89.7 | 89.7 | 89.9 | 90.0 | 90.0 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 |
| ≥ 6000 | 91.4 | 91.9 | 92.0 | 92.2 | 92.3 | 92.3 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.8 |
| ≥ 5000 | 94.4 | 95.0 | 95.1 | 95.3 | 95.4 | 95.4 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 |
| ≥ 4500 | 95.1 | 95.7 | 95.8 | 96.0 | 96.1 | 96.2 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 4000 | 96.2 | 96.9 | 96.9 | 97.2 | 97.3 | 97.3 | 97.5 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 |
| ≥ 3500 | 97.1 | 97.7 | 97.9 | 98.1 | 98.2 | 98.2 | 98.4 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 3000 | 97.5 | 98.1 | 98.2 | 98.5 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 |
| ≥ 2500 | 97.5 | 98.3 | 98.4 | 98.6 | 98.8 | 98.8 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2000 | 97.7 | 98.6 | 98.8 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 1800 | 97.7 | 98.7 | 98.8 | 99.1 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1500 | 97.8 | 98.7 | 98.8 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 97.8 | 98.7 | 98.9 | 99.1 | 99.3 | 99.3 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 1000 | 97.8 | 98.7 | 98.9 | 99.2 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 900 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 97.8 | 98.7 | 98.9 | 99.2 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2843

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 71.5 | 71.6 | 71.7 | 71.8 | 71.8 | 71.8 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 | 71.9 |
| ≥ 20000 | 81.8 | 82.0 | 82.1 | 82.1 | 82.2 | 82.2 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 | 82.3 |
| ≥ 18000 | 82.8 | 83.0 | 83.1 | 83.1 | 83.2 | 83.2 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 | 83.3 |
| ≥ 16000 | 84.5 | 84.7 | 84.8 | 84.9 | 85.0 | 85.0 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 | 85.1 |
| ≥ 14000 | 87.1 | 87.4 | 87.5 | 87.5 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 12000 | 88.3 | 88.7 | 88.8 | 88.8 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 10000 | 89.6 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 9000 | 90.2 | 90.6 | 90.7 | 90.7 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 8000 | 91.2 | 91.6 | 91.8 | 91.8 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 7000 | 92.7 | 93.2 | 93.3 | 93.3 | 93.4 | 93.4 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 6000 | 94.4 | 94.9 | 95.0 | 95.0 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 5000 | 96.4 | 96.9 | 97.0 | 97.0 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 4500 | 96.7 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 4000 | 96.9 | 97.4 | 97.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 3500 | 97.5 | 98.1 | 98.2 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 3000 | 98.0 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 98.2 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 98.2 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 98.2 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1500 | 98.3 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.3 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.2 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.3 | 99.3 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2549

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 79.2 | 79.3 | 79.3 | 79.3 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 20000 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 18000 | 86.3 | 86.4 | 86.4 | 86.4 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 16000 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 14000 | 89.6 | 89.8 | 89.8 | 89.8 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 12000 | 91.0 | 91.2 | 91.2 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 10000 | 92.1 | 92.2 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 9000 | 92.4 | 92.5 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 8000 | 93.7 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 7000 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 6000 | 96.1 | 96.3 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 5000 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 4500 | 98.0 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 4000 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 3500 | 98.4 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 98.6 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 98.9 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2151

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,64-65,73-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5-16 | ≥¼ | ≥0 |
| NO CEILING | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 20000 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 18000 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| IV 16000 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| IV 14000 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| IV 12000 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| IV 10000 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| IV 9000 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 8000 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| IV 7000 | 97.7 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| IV 6000 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 5000 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 4500 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 4000 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 3500 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 3000 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 2500 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 2000 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1800 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1500 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1200 | 99.4 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1000 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1900

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS U.S.T.

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 83.8 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 20000 | 88.9 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 18000 | 89.2 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 16000 | 90.5 | 90.6 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 14000 | 91.5 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 12000 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 10000 | 94.6 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 9000 | 94.9 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 8000 | 96.3 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 7000 | 97.4 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 6000 | 98.2 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 5000 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4000 | 99.3 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2184

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|---------|------|---------|---------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2 1/2 | ≥ 2 | ≥ 1 1/2 | ≥ 1 1/4 | ≥ 1 | ≥ 3/4 | ≥ 1/2 | ≥ 1/4 | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 79.4 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 | 80.2 |
| ≥ 20000 | 87.0 | 87.6 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 18000 | 87.8 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| ≥ 16000 | 88.9 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 14000 | 90.2 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 12000 | 92.3 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 10000 | 93.6 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 9000 | 94.0 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 8000 | 94.9 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 7000 | 95.8 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 6000 | 96.9 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 5000 | 98.0 | 98.6 | 98.7 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 4500 | 98.3 | 98.9 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 4000 | 98.6 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3500 | 98.7 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 98.7 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 98.8 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 98.8 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 98.8 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 98.8 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.8 | 99.6 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2714

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥1/16 | ≥0 | ≥0 |
| NO CEILING | 78.8 | 77.6 | 79.7 | 79.8 | 79.9 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.0 | 80.1 | 80.1 | 80.1 |
| ≥ 20000 | 86.1 | 87.2 | 87.3 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 18000 | 86.9 | 87.9 | 88.0 | 88.1 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 |
| ≥ 16000 | 88.0 | 89.0 | 89.1 | 89.3 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 14000 | 89.9 | 90.9 | 91.0 | 91.2 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.5 |
| ≥ 12000 | 91.7 | 92.7 | 92.8 | 93.0 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 10000 | 92.7 | 93.7 | 93.8 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 9000 | 93.0 | 94.1 | 94.2 | 94.4 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 |
| ≥ 8000 | 93.9 | 94.9 | 95.1 | 95.2 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 7000 | 94.6 | 95.6 | 95.8 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 |
| ≥ 6000 | 95.4 | 96.5 | 96.6 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 5000 | 96.6 | 97.7 | 97.9 | 98.0 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4500 | 96.7 | 97.8 | 98.0 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 |
| ≥ 4000 | 97.1 | 98.3 | 98.4 | 98.6 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 3500 | 97.3 | 98.4 | 98.5 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 |
| ≥ 3000 | 97.5 | 98.7 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 97.6 | 98.8 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 97.6 | 98.9 | 99.1 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 97.7 | 99.0 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 97.8 | 99.1 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 97.8 | 99.1 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 97.8 | 99.1 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 97.8 | 99.1 | 99.4 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.8 | 99.1 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2891

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

27104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1' | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 75.1 | 75.7 | 75.8 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| ≥ 20000 | 85.2 | 85.7 | 85.8 | 85.9 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 |
| ≥ 18000 | 86.1 | 86.6 | 86.7 | 86.8 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.1 |
| ≥ 16000 | 87.0 | 87.6 | 87.6 | 87.7 | 87.8 | 87.8 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 14000 | 88.6 | 89.3 | 89.3 | 89.4 | 89.5 | 89.5 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 12000 | 89.9 | 90.7 | 90.8 | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 |
| ≥ 10000 | 91.0 | 91.8 | 91.8 | 91.9 | 92.0 | 92.0 | 92.1 | 92.2 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 |
| ≥ 9000 | 91.6 | 92.0 | 92.0 | 92.2 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 |
| ≥ 8000 | 91.9 | 92.7 | 92.8 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.4 |
| ≥ 7000 | 92.9 | 93.8 | 93.9 | 94.0 | 94.1 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 6000 | 94.8 | 95.8 | 95.8 | 95.9 | 96.1 | 96.1 | 96.2 | 96.3 | 96.3 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 |
| ≥ 5000 | 95.1 | 97.2 | 97.4 | 97.5 | 97.6 | 97.6 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 4500 | 96.4 | 97.5 | 97.6 | 97.7 | 97.9 | 97.9 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 |
| ≥ 4000 | 97.0 | 98.2 | 98.3 | 98.4 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 |
| ≥ 3500 | 97.2 | 98.3 | 98.5 | 98.6 | 98.7 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 97.5 | 98.7 | 98.8 | 98.9 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 2500 | 97.5 | 98.8 | 98.9 | 99.0 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 2000 | 97.6 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 97.6 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1200 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1000 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 97.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2505

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 73.2 | 73.7 | 73.8 | 73.5 | 74.1 | 74.1 | 74.2 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 |
| ≥ 20000 | 84.9 | 85.6 | 85.7 | 85.7 | 85.9 | 85.9 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 | 86.1 |
| ≥ 18000 | 85.8 | 86.4 | 86.5 | 86.6 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 16000 | 86.7 | 87.4 | 87.5 | 87.5 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 14000 | 88.2 | 88.8 | 88.9 | 89.0 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 12000 | 89.7 | 90.4 | 90.5 | 90.6 | 90.8 | 90.8 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 10000 | 91.3 | 92.0 | 92.2 | 92.2 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 9000 | 91.8 | 92.5 | 92.7 | 92.7 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 8000 | 92.7 | 93.3 | 93.5 | 93.6 | 93.8 | 93.8 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 7000 | 94.1 | 94.9 | 95.1 | 95.1 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 6000 | 95.7 | 96.5 | 96.8 | 96.8 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 5000 | 96.4 | 97.3 | 97.6 | 97.7 | 97.9 | 97.9 | 98.0 | 98.0 | 98.1 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4500 | 96.6 | 97.7 | 97.9 | 98.0 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 4000 | 97.0 | 98.1 | 98.3 | 98.4 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 |
| ≥ 3500 | 97.3 | 98.4 | 98.7 | 98.8 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 97.5 | 98.6 | 98.8 | 98.9 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 97.6 | 98.7 | 98.9 | 99.0 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2000 | 97.6 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 97.6 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 97.6 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 97.6 | 98.7 | 99.0 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 97.6 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2818

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 75.8 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.7 | 76.8 |
| ≥ 20000 | 85.1 | 85.7 | 85.8 | 85.9 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.1 | 86.1 | 86.1 |
| IV 18000 | 85.6 | 86.2 | 86.3 | 86.4 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 |
| IV 16000 | 86.8 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 |
| IV 14000 | 88.4 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 |
| IV 12000 | 90.1 | 90.8 | 90.9 | 91.0 | 91.0 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 |
| IV 10000 | 92.8 | 93.4 | 93.6 | 93.6 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 94.0 |
| IV 9000 | 93.4 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 |
| IV 8000 | 94.7 | 95.4 | 95.5 | 95.6 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 96.0 |
| IV 7000 | 95.6 | 96.3 | 96.4 | 96.6 | 96.6 | 96.6 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 |
| IV 6000 | 97.0 | 97.8 | 97.9 | 98.1 | 98.1 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 |
| IV 5000 | 97.7 | 98.6 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 |
| IV 4000 | 97.8 | 98.7 | 98.8 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 |
| IV 3500 | 98.1 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 |
| IV 3000 | 98.1 | 99.0 | 99.1 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| IV 2500 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 900 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 800 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 700 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 600 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 500 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 400 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 300 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 200 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 100 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |
| IV 0 | 98.3 | 99.1 | 99.3 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2575

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (EST)

| CEILING 'FEET' | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 20000 | 89.7 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 18000 | 90.1 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 16000 | 91.0 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 14000 | 92.4 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 12000 | 93.8 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 10000 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 9000 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 8000 | 96.8 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 7000 | 97.4 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 6000 | 98.1 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 5000 | 99.0 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 99.3 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.5 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.8 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2138

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/4AC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-61, 63-65, 68-70, 72-74
YEARS

JULY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS IST

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 90.6 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 20000 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 18000 | 94.2 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 16000 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 14000 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 12000 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 10000 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 9000 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 8000 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 7000 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 6000 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 5000 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4500 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1600 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1400 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2076

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

1AY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 20000 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 18000 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 16000 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 14000 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 12000 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 10000 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 9000 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 8000 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 7000 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 6000 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 5000 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2325

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 85.7 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 20000 | 92.7 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 18000 | 93.0 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 16000 | 93.9 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 14000 | 95.9 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 12000 | 97.0 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 10000 | 97.8 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 9000 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 8000 | 98.3 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 7000 | 98.5 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 6000 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 5000 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.3 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.4 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.4 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 85.0 | 85.1 | 85.2 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| ≥ 20000 | 93.5 | 93.6 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 |
| ≥ 18000 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 16000 | 94.4 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 14000 | 95.7 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 12000 | 96.8 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 10000 | 97.6 | 97.8 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 9000 | 97.7 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 8000 | 98.1 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 7000 | 98.5 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 6000 | 98.8 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 5000 | 99.1 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.2 | 99.5 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.3 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2986

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 82.3 | 82.5 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 20000 | 92.5 | 92.7 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 18000 | 93.0 | 93.3 | 93.5 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 16000 | 93.8 | 94.0 | 94.3 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 14000 | 94.5 | 94.8 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 12000 | 95.9 | 96.2 | 96.4 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 10000 | 96.3 | 96.6 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 9000 | 96.5 | 96.8 | 97.0 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 8000 | 97.0 | 97.3 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 7000 | 97.6 | 97.9 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 6000 | 98.2 | 98.5 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 5000 | 98.8 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 4500 | 98.8 | 99.2 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4000 | 99.0 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 80.5 | 80.7 | 80.8 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 20000 | 92.1 | 92.4 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 18000 | 92.7 | 93.0 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 16000 | 93.8 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 14000 | 95.0 | 95.3 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 12000 | 95.8 | 96.2 | 96.3 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 10000 | 96.3 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 9000 | 96.6 | 96.9 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 8000 | 97.1 | 97.5 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 7000 | 97.5 | 97.8 | 98.0 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 6000 | 98.3 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| ≥ 5000 | 98.8 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 4500 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 3500 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 3000 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 2500 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 2000 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1800 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1500 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1200 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1000 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 900 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 800 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 700 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 600 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 500 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ C | 99.0 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2902

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 | |
| NO CEILING | 81.7 | 82.0 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 | 82.2 |
| ≥ 20000 | 92.5 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 18000 | 92.9 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 16000 | 94.1 | 94.4 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 14000 | 95.3 | 95.6 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 12000 | 96.2 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 10000 | 97.2 | 97.5 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 9000 | 97.3 | 97.7 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 8000 | 97.8 | 98.1 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 7000 | 98.4 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 6000 | 98.8 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 5000 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.1 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2678

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 20000 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 18000 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 16000 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 14000 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 12000 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 10000 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 9000 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 8000 | 98.5 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 7000 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 6000 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 5000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2360

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATIONWILLIAMS AFB ARIZONA/CHANDLER
STATION NAME42-60,62-65,68-74
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)0000-0200
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 16 | ≥ 4 | ≥ 0 |
| NO CEILING | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 20000 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 18000 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 16000 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 14000 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 12000 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 10000 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 9000 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 8000 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 7000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 6000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 5000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2017

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JULY
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 90.1 | 90.3 | 90.2 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 | 90.3 |
| ≥ 20000 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 18000 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 16000 | 93.7 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 14000 | 96.1 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 | 96.3 |
| ≥ 12000 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 10000 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 9000 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 8000 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 7000 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 6000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 5000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1600 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2252

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 88.1 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 20000 | 91.1 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 18000 | 91.6 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| IV 16000 | 92.5 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 14000 | 94.7 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| IV 12000 | 96.7 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 10000 | 98.0 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV 9000 | 98.5 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 8000 | 98.8 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 7000 | 99.2 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 6000 | 99.3 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 5000 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 99.4 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2721

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 90.1 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| ≥ 20000 | 93.0 | 93.4 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 18000 | 93.7 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 16000 | 94.3 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 14000 | 95.8 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 12000 | 97.7 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 10000 | 98.6 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 9000 | 98.7 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 8000 | 98.9 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 7000 | 99.2 | 99.6 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 6000 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 5000 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.3 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2886

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 89.3 | 89.6 | 89.0 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 20000 | 93.8 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| IV 18000 | 94.3 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 16000 | 95.1 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 14000 | 95.9 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| IV 12000 | 97.5 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 10000 | 98.4 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| IV 9000 | 98.6 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 8000 | 98.9 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 7000 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 6000 | 99.2 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 5000 | 99.3 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 4500 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 4000 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3500 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 3000 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2500 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 99.4 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2884

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 89.2 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 20000 | 93.9 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.6 | 94.6 |
| ≥ 18000 | 94.3 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 16000 | 95.0 | 95.5 | 95.5 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 |
| ≥ 14000 | 95.8 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 |
| ≥ 12000 | 97.0 | 97.6 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 |
| ≥ 10000 | 97.4 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 |
| ≥ 9000 | 97.5 | 98.0 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 |
| ≥ 8000 | 98.1 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 7000 | 98.5 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 6000 | 98.8 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 5000 | 98.8 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 4500 | 98.8 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 4000 | 98.8 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 3500 | 98.8 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 3000 | 98.8 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2500 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 2000 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1800 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1500 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1200 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1000 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 0 | 98.8 | 99.4 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2805

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUN
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 87.3 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 20000 | 92.8 | 93.2 | 93.2 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 18000 | 93.2 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| IV 16000 | 94.0 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 |
| ≥ 14000 | 95.0 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 12000 | 96.6 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 |
| ≥ 10000 | 97.2 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 |
| IV 9000 | 97.5 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 |
| ≥ 8000 | 97.9 | 98.3 | 98.3 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 |
| IV 7000 | 98.1 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 6000 | 98.6 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 5000 | 98.7 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 4000 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 3000 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 2000 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 1500 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 1000 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 800 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 600 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 400 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 200 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.8 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| IV 0 | 98.8 | 99.4 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2599

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATIONWILLIAMS AFB ARIZONA/CHANDLER
STATION NAME42-74
YEARSJUN
MONTHPERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)2100-2300
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 | 91.4 |
| ≥ 20000 | 94.0 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 18000 | 94.5 | 94.7 | 94.7 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 |
| ≥ 16000 | 95.1 | 95.2 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 14000 | 96.3 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 12000 | 98.1 | 98.2 | 98.2 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 10000 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 9000 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 8000 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 7000 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 6000 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 5000 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4500 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 4000 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3500 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 3000 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2377

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATIONWILLIAMS AFB ARIZONA/CHA'ULLER
STATION NAME42-65,68-72,74
YEARSJUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS LST

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|-------|
| | ≥10 | ≥8 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 64.5 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.8 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 | 64.9 |
| ≥ 20000 | 71.6 | 71.9 | 71.9 | 72.0 | 72.1 | 72.1 | 72.1 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 | 72.2 |
| ≥ 18000 | 72.5 | 72.9 | 72.9 | 72.9 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 | 73.1 |
| ≥ 16000 | 74.2 | 74.6 | 74.6 | 74.6 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 | 74.8 |
| ≥ 14000 | 80.4 | 80.8 | 80.8 | 80.9 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 | 81.1 |
| ≥ 12000 | 88.0 | 88.5 | 88.5 | 88.5 | 88.7 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| ≥ 10000 | 91.3 | 91.9 | 91.9 | 92.0 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 9000 | 93.0 | 93.6 | 93.6 | 93.7 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 8000 | 95.9 | 96.5 | 96.6 | 96.8 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 7000 | 97.3 | 97.9 | 98.0 | 98.2 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 6000 | 97.5 | 98.2 | 98.3 | 98.5 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 5000 | 98.0 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 98.0 | 98.8 | 98.9 | 99.1 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 4000 | 98.1 | 98.9 | 99.1 | 99.2 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3500 | 98.1 | 98.9 | 99.1 | 99.2 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.1 | 99.1 | 99.2 | 99.4 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2078

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / IAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

1 JL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7277-0300
HOURS

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO CEILING | 65.0 | 65.1 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 | 65.3 |
| ≥ 20000 | 71.1 | 71.2 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 | 71.4 |
| ≥ 18000 | 71.8 | 71.8 | 72.0 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 |
| ≥ 16000 | 73.7 | 73.9 | 74.0 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 | 74.1 |
| ≥ 14000 | 82.4 | 82.5 | 82.7 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 | 82.8 |
| ≥ 12000 | 89.6 | 89.7 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 10000 | 93.8 | 94.0 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| ≥ 9000 | 95.5 | 95.8 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 8000 | 97.2 | 97.4 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 7000 | 98.4 | 98.6 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 6000 | 98.7 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 5000 | 99.0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.1 | 99.4 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.1 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.1 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2500 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.5 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2308

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/IAL

CEILING VERSUS VISIBILITY

231.4 WILLIAMS AFB APIZACA/CAMPULE-
STATION NAME

42-74
YEARS

11.1
HOURS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

(100) - (100)
HOURS

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|-------|------|-------|--------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.15 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0 |
| NO CEILING | 63.7 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 | 64.1 |
| ≥ 20000 | 70.6 | 70.6 | 71.0 | 71.0 | 71.0 | 71.0 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 | 71.1 |
| ≥ 18000 | 71.3 | 71.3 | 71.7 | 71.7 | 71.7 | 71.7 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 | 71.8 |
| ≥ 16000 | 72.9 | 74.2 | 74.2 | 74.3 | 74.3 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| ≥ 14000 | 81.4 | 81.4 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 | 82.0 |
| ≥ 12000 | 91.4 | 91.4 | 91.9 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 | 92.1 |
| ≥ 10000 | 94.7 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 9000 | 95.9 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 8000 | 97.3 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 7000 | 98.0 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 6000 | 98.7 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 |
| ≥ 5000 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| ≥ 4500 | 99.7 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 4000 | 99.9 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.0 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.0 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.1 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.1 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.1 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.1 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.1 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.1 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.1 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.1 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.1 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.1 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.1 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

2790

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE / AL

CEILING VERSUS VISIBILITY

23104
STATIONWILLIAMS AFB ARIZONA/CHANDLER
STATION NAME42-74
YEARSJUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

6305-1100
HOURS EST

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2 | ≥2 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 | ≥1 |
| NO CEILING | 71.4 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 | 71.7 |
| ≥ 20000 | 77.7 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 18000 | 78.8 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 |
| ≥ 16000 | 81.4 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 14000 | 87.7 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 12000 | 94.9 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 10000 | 97.0 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 9000 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 8000 | 98.3 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 7000 | 98.7 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 6000 | 99.1 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 5000 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

2742

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/ETAC

CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1000-1000

| CEILING FEET | VISIBILITY STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|--------------------------|------|------|------|------|------|------|------|------|------|-------|------|-------|--------|-------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2.5 | ≥2 | ≥1.5 | ≥1 | ≥0.5 | ≥0.25 | ≥0.1 | ≥0.05 | ≥0.025 | ≥0.01 | ≥0 |
| NO. CEILING | 79.8 | 81.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 | 80.1 |
| ≥ 20000 | 86.0 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 18000 | 87.2 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 |
| ≥ 16000 | 89.1 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 14000 | 92.5 | 92.5 | 92.5 | 92.5 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 |
| ≥ 12000 | 90.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 10000 | 97.7 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 9000 | 98.1 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 8000 | 98.5 | 98.5 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 7000 | 98.8 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 6000 | 99.1 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 5000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 99.5 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS

2951

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATIONWILLIAMS AFB ARIZONA/CHANDLER
STATION NAME42-74
YEARSJUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS

| CEILING FEET | VISIBILITY - STATUTE MILES | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 76.1 | 76.2 | 76.2 | 76.2 | 76.2 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 |
| ≥ 20000 | 86.5 | 86.7 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 | 86.8 |
| ≥ 18000 | 87.4 | 87.5 | 87.6 | 87.6 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 16000 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 14000 | 92.4 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 |
| ≥ 12000 | 95.8 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 | 96.3 |
| ≥ 10000 | 97.1 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 |
| ≥ 9000 | 97.5 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.2 |
| ≥ 8000 | 98.0 | 98.3 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.8 |
| ≥ 7000 | 98.4 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 |
| ≥ 6000 | 98.7 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 |
| ≥ 5000 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 4500 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 4000 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 3500 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 3000 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 2500 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 2000 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 1800 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 1500 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 1200 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 1000 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 900 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 800 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 700 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 600 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 500 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 400 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 300 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 200 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 100 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |
| ≥ 0 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2854

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 59.7 | 59.8 | 59.8 | 59.8 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 | 60.0 |
| ≥ 20000 | 74.0 | 74.4 | 74.5 | 74.5 | 74.7 | 74.7 | 74.7 | 74.7 | 74.7 | 74.8 | 74.8 | 74.8 | 74.9 | 74.9 | 74.9 | 74.9 |
| ≥ 18000 | 74.7 | 75.1 | 75.3 | 75.3 | 75.4 | 75.4 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.7 | 75.7 |
| IV 16000 | 76.7 | 77.2 | 77.3 | 77.3 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.7 | 77.7 | 77.7 | 77.7 | 77.7 | 77.8 | 77.8 |
| ≥ 14000 | 82.0 | 82.6 | 82.7 | 82.7 | 83.0 | 83.0 | 83.1 | 83.1 | 83.1 | 83.2 | 83.2 | 83.2 | 83.4 | 83.4 | 83.5 | 83.5 |
| IV 12000 | 88.6 | 89.3 | 89.4 | 89.4 | 89.6 | 89.6 | 89.8 | 89.8 | 89.8 | 90.0 | 90.0 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 |
| ≥ 10000 | 90.8 | 91.4 | 91.5 | 91.6 | 91.8 | 91.8 | 92.0 | 92.1 | 92.1 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.6 | 92.6 |
| IV 9000 | 91.7 | 92.4 | 92.5 | 92.6 | 92.9 | 92.9 | 93.0 | 93.1 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.5 | 93.6 |
| ≥ 8000 | 93.4 | 94.2 | 94.5 | 94.7 | 95.1 | 95.1 | 95.3 | 95.4 | 95.4 | 95.8 | 95.8 | 95.8 | 96.0 | 96.0 | 96.2 | 96.2 |
| IV 7000 | 94.8 | 95.7 | 96.1 | 96.3 | 96.7 | 96.8 | 97.0 | 97.2 | 97.2 | 97.5 | 97.6 | 97.6 | 97.9 | 97.9 | 98.0 | 98.1 |
| ≥ 6000 | 95.7 | 96.8 | 97.2 | 97.4 | 97.8 | 97.9 | 98.1 | 98.2 | 98.2 | 98.6 | 98.7 | 98.7 | 99.0 | 99.0 | 99.2 | 99.3 |
| IV 5000 | 95.9 | 97.1 | 97.5 | 97.7 | 98.2 | 98.2 | 98.4 | 98.6 | 98.6 | 98.9 | 99.0 | 99.0 | 99.3 | 99.3 | 99.5 | 99.6 |
| ≥ 4000 | 96.0 | 97.2 | 97.6 | 97.8 | 98.3 | 98.3 | 98.5 | 98.7 | 98.7 | 99.0 | 99.1 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 |
| IV 4000 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 |
| ≥ 3500 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 |
| IV 3000 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 |
| ≥ 2500 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 |
| IV 2000 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 |
| ≥ 1800 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 |
| IV 1500 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 |
| ≥ 1200 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.1 | 99.2 | 99.3 | 99.6 | 99.6 | 99.7 | 99.9 |
| IV 1000 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| ≥ 900 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| IV 800 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| ≥ 700 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| IV 600 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| ≥ 500 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| IV 400 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| ≥ 300 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| IV 200 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| ≥ 100 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 |
| IV 0 | 96.0 | 97.2 | 97.6 | 97.8 | 98.4 | 98.4 | 98.6 | 98.8 | 98.8 | 99.2 | 99.3 | 99.3 | 99.6 | 99.6 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2672

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUL

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 60.8 | 61.1 | 61.2 | 61.2 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.4 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 | 61.5 |
| ≥ 20000 | 71.4 | 71.7 | 71.9 | 71.9 | 72.1 | 72.1 | 72.1 | 72.1 | 72.1 | 72.2 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 | 72.3 |
| ≥ 18000 | 72.1 | 72.5 | 72.6 | 72.6 | 72.8 | 72.8 | 72.9 | 72.9 | 72.9 | 73.0 | 73.0 | 73.0 | 73.1 | 73.1 | 73.1 | 73.1 |
| ≥ 16000 | 73.6 | 74.0 | 74.1 | 74.1 | 74.3 | 74.3 | 74.3 | 74.3 | 74.3 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 | 74.5 |
| ≥ 14000 | 80.1 | 80.6 | 80.7 | 80.8 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 |
| ≥ 12000 | 86.5 | 87.0 | 87.2 | 87.2 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.9 | 87.9 | 87.9 | 87.9 |
| ≥ 10000 | 89.5 | 90.1 | 90.5 | 90.5 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 9000 | 91.0 | 91.6 | 92.0 | 92.0 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 |
| ≥ 8000 | 93.9 | 94.8 | 95.1 | 95.2 | 95.6 | 95.6 | 95.7 | 95.7 | 95.7 | 96.0 | 96.1 | 96.1 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 7000 | 95.2 | 96.3 | 96.8 | 96.8 | 97.2 | 97.2 | 97.4 | 97.4 | 97.4 | 97.6 | 97.7 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 6000 | 95.7 | 96.9 | 97.4 | 97.4 | 97.8 | 97.8 | 97.9 | 98.0 | 98.0 | 98.3 | 98.4 | 98.4 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 5000 | 96.4 | 97.7 | 98.2 | 98.2 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 99.1 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 96.4 | 97.7 | 98.2 | 98.3 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 |
| ≥ 4000 | 96.4 | 97.7 | 98.2 | 98.3 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 96.4 | 97.7 | 98.2 | 98.3 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.1 | 99.3 | 99.3 | 99.6 | 99.6 | 99.6 |
| ≥ 3000 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1500 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.3 | 99.4 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1200 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 900 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 700 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 600 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 500 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 400 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 300 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 200 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 100 | 96.4 | 97.7 | 98.3 | 98.4 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 0 | 96.4 | 97.7 | 98.4 | 98.5 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.4 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2423

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-65,70-71,73-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥0 |
| NO CEILING | 68.9 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 | 69.2 |
| ≥ 20000 | 75.1 | 75.5 | 75.5 | 75.5 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 | 75.6 |
| ≥ 18000 | 75.7 | 76.0 | 76.0 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 | 76.1 |
| ≥ 16000 | 77.6 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 14000 | 83.1 | 83.5 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 | 83.6 |
| IV 12000 | 88.9 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 10000 | 91.0 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| IV 9000 | 93.6 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 |
| IV 8000 | 95.4 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 |
| IV 7000 | 96.5 | 97.1 | 97.1 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 6000 | 97.7 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| IV 5000 | 98.0 | 98.6 | 98.7 | 98.8 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 4500 | 98.3 | 98.9 | 99.0 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 4000 | 98.5 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 96.5 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 3000 | 98.5 | 99.2 | 99.3 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 2500 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 2000 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1500 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1200 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1000 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 900 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 800 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 700 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 600 | 98.5 | 99.2 | 99.3 | 99.4 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 500 | 98.5 | 99.2 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 98.5 | 99.2 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 98.5 | 99.2 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 98.5 | 99.2 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 98.5 | 99.2 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 98.5 | 99.2 | 99.3 | 99.5 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2067

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

6.16
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING ≥ 20000 | 72.9 77.8 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 | 73.1 77.9 |
| ≥ 18000 ≥ 16000 | 78.1 79.9 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 | 78.3 80.1 |
| ≥ 14000 ≥ 12000 | 86.0 91.6 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 | 86.3 91.8 |
| ≥ 10000 ≥ 9000 | 93.5 94.8 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 | 93.8 95.2 |
| ≥ 8000 ≥ 7000 | 95.9 97.2 | 96.3 97.6 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 | 96.4 97.7 |
| ≥ 6000 ≥ 5000 | 97.8 98.6 | 98.2 99.0 | 98.3 99.1 | 98.3 99.1 | 98.3 99.1 | 98.3 99.1 | 98.3 99.1 | 98.3 99.1 | 98.3 99.1 | 98.3 99.1 | 98.3 99.1 | 98.3 99.1 | 98.4 99.2 | 98.4 99.2 | 98.4 99.2 | 98.4 99.2 |
| ≥ 4500 ≥ 4000 | 98.8 99.1 | 99.2 99.6 | 99.3 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.8 | 99.4 99.8 |
| ≥ 3500 ≥ 3000 | 99.1 99.1 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 |
| ≥ 2500 ≥ 2000 | 99.1 99.1 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 |
| ≥ 1800 ≥ 1500 | 99.1 99.1 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 |
| ≥ 1200 ≥ 1000 | 99.1 99.1 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 |
| ≥ 900 ≥ 800 | 99.1 99.1 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 |
| ≥ 700 ≥ 600 | 99.1 99.1 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 500 ≥ 400 | 99.1 99.1 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 300 ≥ 200 | 99.1 99.1 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 100 0 | 99.1 99.1 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2334

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

22104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 69.0 | 69.1 | 69.2 | 69.2 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 | 69.3 |
| ≥ 20000 | 75.5 | 75.7 | 75.8 | 75.9 | 75.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| ≥ 18000 | 76.2 | 76.3 | 76.5 | 76.5 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 | 76.6 |
| ≥ 16000 | 78.1 | 78.2 | 78.4 | 78.4 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 14000 | 83.8 | 84.0 | 84.1 | 84.2 | 84.2 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| ≥ 12000 | 90.6 | 90.8 | 90.9 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 10000 | 93.5 | 93.7 | 93.8 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 9000 | 94.4 | 94.6 | 94.8 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 8000 | 96.0 | 96.2 | 96.4 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 7000 | 97.1 | 97.4 | 97.6 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 6000 | 97.6 | 97.8 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 5000 | 98.2 | 98.5 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4500 | 98.3 | 98.6 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 4000 | 98.4 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 3500 | 98.5 | 98.9 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3000 | 98.6 | 99.0 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 98.7 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 98.7 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.7 | 99.1 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.7 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.7 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.7 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.7 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.7 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.7 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.7 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.7 | 99.1 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.7 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.7 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.7 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.7 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 98.7 | 99.2 | 99.6 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 2879

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 76.6 81.3 | 76.9 81.5 | 76.9 81.5 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 | 76.9 81.6 |
| ≥ 18000 ≥ 16000 | 82.4 83.7 | 82.6 84.0 | 82.6 84.0 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 | 82.7 84.1 |
| ≥ 14000 ≥ 12000 | 88.8 94.2 | 89.1 94.5 | 89.1 94.5 | 89.2 94.6 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 | 89.2 94.7 |
| ≥ 10000 ≥ 9000 | 96.2 96.6 | 96.5 96.8 | 96.5 96.9 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 | 96.6 97.0 |
| ≥ 8000 ≥ 7000 | 97.3 98.1 | 97.6 98.4 | 97.7 98.5 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 | 97.8 98.6 |
| ≥ 6000 ≥ 5000 | 98.5 98.8 | 98.8 99.2 | 98.8 99.2 | 98.9 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 | 99.0 99.4 |
| ≥ 4500 ≥ 4000 | 98.9 98.9 | 99.2 99.3 | 99.3 99.4 | 99.4 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 |
| ≥ 3500 ≥ 3000 | 99.0 99.0 | 99.3 99.4 | 99.4 99.4 | 99.5 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 |
| ≥ 2500 ≥ 2000 | 99.0 99.1 | 99.4 99.5 | 99.5 99.6 | 99.6 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 |
| ≥ 1800 ≥ 1500 | 99.1 99.1 | 99.5 99.6 | 99.6 99.7 | 99.7 99.8 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 | 99.7 99.9 |
| ≥ 1200 ≥ 1000 | 99.1 99.2 | 99.6 99.6 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 900 ≥ 800 | 99.2 99.2 | 99.6 99.6 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 700 ≥ 600 | 99.2 99.2 | 99.6 99.6 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 500 ≥ 400 | 99.2 99.2 | 99.6 99.7 | 99.7 99.8 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 300 ≥ 200 | 99.2 99.2 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 100 ≥ 0 | 99.2 99.2 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 3042

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 81.9 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 |
| ≥ 20000 | 87.9 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 |
| ≥ 18000 | 88.7 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| IV 16000 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 14000 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| IV 12000 | 95.9 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 |
| ≥ 10000 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 9000 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 |
| ≥ 8000 | 97.9 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| IV 7000 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 6000 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| IV 5000 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 4500 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 4000 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 3500 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 3000 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 2000 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 1500 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 99.5 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

3032

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 77.9 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 |
| ≥ 20000 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.8 |
| ≥ 18000 | 88.7 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 89.0 | 89.0 |
| ≥ 16000 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 |
| ≥ 14000 | 91.5 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 |
| ≥ 12000 | 94.7 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 | 95.1 | 95.1 |
| ≥ 10000 | 95.5 | 95.7 | 95.7 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.1 |
| ≥ 9000 | 96.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.6 |
| ≥ 8000 | 97.0 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.7 | 97.7 | 97.8 | 97.8 |
| ≥ 7000 | 97.4 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 |
| ≥ 6000 | 97.9 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 |
| ≥ 5000 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 4500 | 98.4 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 |
| ≥ 4000 | 98.5 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 3500 | 98.5 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.6 | 99.6 |
| ≥ 3000 | 98.6 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 |
| ≥ 2500 | 98.7 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 2000 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1800 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1500 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1200 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 1000 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 900 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 800 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 700 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 600 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 500 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 400 | 98.7 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 300 | 98.7 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 200 | 98.7 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 100 | 98.7 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 0 | 98.7 | 99.0 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2940

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 61.0 76.3 | 61.1 76.5 | 61.1 76.7 | 61.2 76.8 | 61.2 76.8 | 61.2 76.8 | 61.3 76.9 | 61.3 77.0 | 61.3 77.0 | 61.3 77.0 | 61.3 77.0 | 61.3 77.0 | 61.3 77.0 | 61.3 77.1 | 61.3 77.1 | 61.3 77.1 |
| ≥ 18000 IV 16000 | 77.0 77.9 | 77.3 78.2 | 77.4 78.3 | 77.5 78.4 | 77.5 78.4 | 77.5 78.4 | 77.7 78.6 | 77.7 78.6 | 77.7 78.6 | 77.8 78.7 | 77.8 78.7 | 77.8 78.7 | 77.8 78.7 | 77.9 78.8 | 77.9 78.8 | 77.9 78.8 |
| IV 14000 IV 12000 | 82.5 88.2 | 82.8 88.6 | 83.0 88.8 | 83.1 88.8 | 83.1 88.9 | 83.1 88.9 | 83.3 89.2 | 83.3 89.2 | 83.3 89.2 | 83.4 89.3 | 83.4 89.3 | 83.4 89.3 | 83.4 89.3 | 83.5 89.5 | 83.5 89.5 | 83.5 89.7 |
| IV 10000 IV 9000 | 90.0 91.0 | 90.3 91.4 | 90.5 91.6 | 90.7 91.8 | 90.9 91.9 | 90.9 91.9 | 91.2 92.2 | 91.2 92.3 | 91.2 92.3 | 91.3 92.4 | 91.3 92.4 | 91.3 92.4 | 91.3 92.5 | 91.5 92.6 | 91.5 92.6 | 91.6 92.7 |
| IV 8000 IV 7000 | 93.7 94.7 | 94.2 95.3 | 94.4 95.6 | 94.6 95.8 | 94.8 96.0 | 94.8 96.0 | 95.2 96.4 | 95.2 96.5 | 95.2 96.5 | 95.3 96.6 | 95.4 96.7 | 95.4 96.7 | 95.4 96.7 | 95.6 96.9 | 95.6 96.9 | 95.7 97.1 |
| IV 6000 IV 5000 | 95.5 96.0 | 96.0 96.6 | 96.5 97.2 | 96.6 97.4 | 97.1 97.9 | 97.1 97.9 | 97.4 98.2 | 97.5 98.3 | 97.5 98.3 | 97.8 98.7 | 97.9 98.8 | 97.9 98.8 | 97.9 98.8 | 98.2 99.1 | 98.2 99.1 | 98.4 99.3 |
| IV 4500 IV 4000 | 96.0 96.1 | 96.6 96.8 | 97.3 97.4 | 97.4 97.5 | 97.9 98.0 | 97.9 98.0 | 98.3 98.4 | 98.3 98.4 | 98.3 98.4 | 98.7 98.8 | 98.8 98.9 | 98.8 98.9 | 98.8 98.9 | 99.1 99.2 | 99.1 99.2 | 99.4 99.5 |
| IV 3500 IV 3000 | 96.1 96.2 | 96.8 96.8 | 97.4 97.4 | 97.6 97.6 | 98.1 98.1 | 98.1 98.4 | 98.4 98.5 | 98.5 98.5 | 98.5 98.5 | 98.8 98.9 | 99.0 99.0 | 99.0 99.0 | 99.0 99.0 | 99.2 99.3 | 99.2 99.3 | 99.5 99.5 |
| IV 2500 IV 2000 | 96.2 96.2 | 96.8 96.9 | 97.5 97.6 | 97.7 97.8 | 98.1 98.2 | 98.1 98.2 | 98.5 98.6 | 98.6 98.7 | 98.6 98.7 | 98.9 99.0 | 99.0 99.1 | 99.0 99.1 | 99.0 99.1 | 99.3 99.4 | 99.3 99.4 | 99.6 99.7 |
| IV 1800 IV 1500 | 96.2 96.2 | 96.9 96.9 | 97.6 97.6 | 97.8 97.8 | 98.2 98.2 | 98.2 98.2 | 98.6 98.6 | 98.7 98.7 | 98.7 98.7 | 99.0 99.0 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.4 99.4 | 99.4 99.4 | 99.7 99.8 |
| IV 1200 IV 1000 | 96.2 96.2 | 96.9 96.9 | 97.6 97.6 | 97.8 97.8 | 98.3 98.3 | 98.3 98.3 | 98.6 98.6 | 98.7 98.7 | 98.7 98.7 | 99.1 99.1 | 99.2 99.2 | 99.2 99.2 | 99.2 99.2 | 99.5 99.5 | 99.5 99.5 | 99.7 99.8 |
| IV 900 IV 800 | 96.2 96.2 | 96.9 96.9 | 97.6 97.6 | 97.8 97.8 | 98.3 98.3 | 98.3 98.3 | 98.6 98.6 | 98.7 98.7 | 98.7 98.7 | 99.1 99.1 | 99.2 99.2 | 99.2 99.2 | 99.2 99.2 | 99.5 99.5 | 99.5 99.5 | 99.7 99.8 |
| IV 700 IV 600 | 96.2 96.2 | 96.9 96.9 | 97.6 97.6 | 97.8 97.8 | 98.3 98.3 | 98.3 98.3 | 98.6 98.6 | 98.7 98.7 | 98.7 98.7 | 99.1 99.1 | 99.2 99.2 | 99.2 99.2 | 99.2 99.2 | 99.5 99.5 | 99.5 99.5 | 99.7 99.8 |
| IV 500 IV 400 | 96.2 96.2 | 96.9 96.9 | 97.6 97.6 | 97.8 97.8 | 98.3 98.3 | 98.3 98.3 | 98.6 98.6 | 98.7 98.7 | 98.7 98.7 | 99.1 99.1 | 99.2 99.2 | 99.2 99.2 | 99.2 99.2 | 99.5 99.5 | 99.5 99.5 | 99.8 99.9 |
| IV 300 IV 200 | 96.2 96.2 | 96.9 96.9 | 97.6 97.6 | 97.8 97.8 | 98.3 98.3 | 98.3 98.3 | 98.6 98.6 | 98.7 98.7 | 98.7 98.7 | 99.1 99.1 | 99.2 99.2 | 99.2 99.2 | 99.2 99.2 | 99.5 99.5 | 99.5 99.5 | 99.8 99.9 |
| IV 100 IV 0 | 96.2 96.2 | 96.9 96.9 | 97.6 97.6 | 97.8 97.8 | 98.3 98.3 | 98.3 98.3 | 98.6 98.6 | 98.7 98.7 | 98.7 98.7 | 99.1 99.1 | 99.2 99.2 | 99.2 99.2 | 99.2 99.2 | 99.5 99.5 | 99.5 99.5 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2770

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 66.0 | 66.3 | 66.4 | 66.5 | 66.5 | 66.5 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 | 66.6 |
| ≥ 20000 | 75.3 | 75.7 | 75.9 | 75.9 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 | 76.0 |
| ≥ 18000 | 75.8 | 76.1 | 76.3 | 76.4 | 76.4 | 76.4 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 | 76.5 |
| ≥ 16000 | 76.8 | 77.1 | 77.3 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.4 | 77.5 | 77.5 | 77.5 | 77.5 |
| ≥ 14000 | 81.3 | 81.7 | 82.0 | 82.0 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.1 | 82.2 | 82.2 | 82.2 | 82.2 |
| ≥ 12000 | 87.1 | 87.7 | 88.0 | 88.1 | 88.2 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 |
| ≥ 10000 | 90.6 | 91.3 | 91.6 | 91.6 | 91.8 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 92.0 | 92.0 | 92.0 | 92.0 |
| ≥ 9000 | 92.2 | 93.0 | 93.2 | 93.3 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 8000 | 93.8 | 94.7 | 95.0 | 95.0 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 7000 | 95.5 | 96.6 | 96.9 | 97.0 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 |
| ≥ 6000 | 96.6 | 97.7 | 98.0 | 98.1 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 5000 | 97.1 | 98.2 | 98.6 | 98.7 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 4500 | 97.1 | 98.2 | 98.6 | 98.7 | 99.1 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 97.2 | 98.3 | 98.7 | 98.8 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3500 | 97.3 | 98.4 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 97.3 | 98.4 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 97.3 | 98.4 | 98.9 | 98.9 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 97.3 | 98.4 | 98.9 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 97.3 | 98.4 | 98.9 | 99.0 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 97.3 | 98.4 | 99.0 | 99.1 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2438

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-65,72-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 20000 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 18000 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 16000 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 14000 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 |
| ≥ 12000 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 10000 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 |
| ≥ 9000 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 8000 | 97.5 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| ≥ 7000 | 98.1 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 6000 | 98.8 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 5000 | 99.3 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 4500 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 4000 | 99.4 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3500 | 99.4 | 99.7 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 3000 | 99.4 | 99.7 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 99.5 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS

1974

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SFP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|---------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING ≥ 20000 | 88.4 89.5 | 88.4 89.5 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.4 89.6 | 88.5 89.6 | 88.5 89.6 |
| IV 18000 IV 16000 | 90.2 90.3 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.2 90.4 | 90.3 90.5 | 90.3 90.5 |
| IV 14000 IV 12000 | 92.8 95.3 | 92.9 95.3 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 | 92.9 95.4 |
| IV 10000 IV 9000 | 96.7 97.2 | 96.7 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 | 96.8 97.3 |
| IV 8000 IV 7000 | 97.7 98.2 | 97.7 98.2 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 | 97.8 98.3 |
| IV 6000 IV 5000 | 98.8 99.4 | 99.0 99.5 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 | 99.1 99.6 |
| IV 4500 IV 4000 | 99.5 99.6 | 99.6 99.7 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.7 99.8 | 99.8 99.9 | 99.8 99.9 |
| IV 3500 IV 3000 | 99.6 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 100.0 | 99.9 100.0 |
| IV 2500 IV 2000 | 99.7 99.7 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 1800 IV 1500 | 99.7 99.7 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 1200 IV 1000 | 99.7 99.7 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 900 IV 800 | 99.7 99.7 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 700 IV 600 | 99.7 99.7 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 500 IV 400 | 99.7 99.7 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 300 IV 200 | 99.7 99.7 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 100 0 | 99.7 99.7 | 99.9 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2225

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0500-0800
HOURS LST

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 |
| ≥ 20000 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 |
| ≥ 18000 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 |
| ≥ 16000 | 87.4 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 |
| ≥ 14000 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 |
| ≥ 12000 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.2 |
| ≥ 10000 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.0 | 96.1 | 96.1 | 96.2 |
| ≥ 9000 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 |
| ≥ 8000 | 97.3 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 |
| ≥ 7000 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 |
| ≥ 6000 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 |
| ≥ 5000 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 |
| ≥ 4500 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 4000 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 3500 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 3000 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 2500 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 2000 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 1800 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 1500 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 1200 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 1000 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 900 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 800 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 700 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 600 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 |
| ≥ 500 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2707

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 85.3 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 20000 | 87.9 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 18000 | 88.5 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 16000 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 14000 | 91.4 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 12000 | 94.5 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 10000 | 95.7 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 9000 | 96.2 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| ≥ 8000 | 97.2 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 7000 | 97.7 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 6000 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 5000 | 98.5 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 4500 | 98.6 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 4000 | 98.8 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3500 | 99.0 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 99.2 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 99.2 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 99.2 | 99.7 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.3 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2893

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 84.6 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 |
| ≥ 20000 | 88.5 | 88.9 | 89.0 | 89.0 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 | 89.1 |
| ≥ 18000 | 89.0 | 89.5 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 16000 | 89.6 | 90.0 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 14000 | 91.2 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 |
| ≥ 12000 | 93.7 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 |
| ≥ 10000 | 95.1 | 95.6 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.9 |
| ≥ 9000 | 95.5 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 |
| ≥ 8000 | 96.1 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 |
| ≥ 7000 | 97.1 | 97.7 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| ≥ 6000 | 98.0 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 |
| ≥ 5000 | 98.5 | 99.1 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 4500 | 98.5 | 99.2 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 4000 | 98.7 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 3500 | 98.8 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 3000 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 2500 | 98.9 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 2000 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1800 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1500 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1200 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 1000 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 900 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 800 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 700 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 600 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 500 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 400 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 300 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 200 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| ≥ 100 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| 0 | 99.0 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2902

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 82.7 | 82.9 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 | 83.1 |
| ≥ 20000 | 88.0 | 88.2 | 88.3 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 18000 | 88.3 | 88.6 | 88.7 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| IV 16000 | 88.7 | 89.0 | 89.1 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 |
| IV 14000 | 90.4 | 90.6 | 90.8 | 90.8 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| IV 12000 | 92.8 | 93.0 | 93.2 | 93.3 | 93.4 | 93.4 | 93.5 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 |
| IV 10000 | 94.4 | 94.7 | 94.9 | 95.0 | 95.1 | 95.1 | 95.2 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 |
| IV 9000 | 95.1 | 95.4 | 95.6 | 95.7 | 95.8 | 95.8 | 95.9 | 96.0 | 96.0 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 |
| IV 8000 | 95.8 | 96.1 | 96.4 | 96.4 | 96.6 | 96.6 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 |
| IV 7000 | 96.7 | 97.1 | 97.4 | 97.4 | 97.5 | 97.5 | 97.7 | 97.7 | 97.7 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 |
| IV 6000 | 97.6 | 98.0 | 98.3 | 98.3 | 98.4 | 98.4 | 98.6 | 98.6 | 98.6 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 5000 | 98.0 | 98.4 | 98.7 | 98.7 | 98.9 | 98.9 | 99.0 | 99.1 | 99.1 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 |
| IV 4500 | 98.2 | 98.6 | 98.9 | 98.9 | 99.0 | 99.0 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 4000 | 98.4 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 3500 | 98.4 | 98.8 | 99.1 | 99.1 | 99.3 | 99.3 | 99.4 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| IV 3000 | 98.4 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 2500 | 98.4 | 98.9 | 99.1 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 |
| IV 2000 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1800 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1200 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 98.4 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2812

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 80.3 | 80.4 | 80.4 | 80.4 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.5 | 80.6 | 80.6 | 80.6 | 80.6 |
| ≥ 20000 | 86.6 | 86.7 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 |
| ≥ 18000 | 86.9 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 |
| ≥ 16000 | 87.5 | 87.6 | 87.6 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 |
| ≥ 14000 | 89.7 | 89.9 | 90.0 | 90.0 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.1 | 90.2 | 90.2 | 90.2 | 90.2 |
| ≥ 12000 | 92.4 | 92.6 | 92.7 | 92.8 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 10000 | 94.6 | 94.8 | 94.9 | 94.9 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.3 | 95.3 |
| ≥ 9000 | 94.9 | 95.1 | 95.2 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 8000 | 95.7 | 96.0 | 96.1 | 96.2 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 |
| ≥ 7000 | 96.6 | 96.9 | 97.1 | 97.2 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 |
| ≥ 6000 | 97.8 | 98.2 | 98.4 | 98.5 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 5000 | 98.2 | 98.6 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 |
| ≥ 4500 | 98.3 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 4000 | 98.5 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 3500 | 98.5 | 98.9 | 99.1 | 99.2 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 3000 | 98.5 | 98.9 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2500 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2000 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 1800 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1500 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1200 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 1000 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 900 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 800 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 700 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 600 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 500 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 98.6 | 99.0 | 99.2 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2609

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 84.9 88.7 | 85.0 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 | 85.1 88.9 |
| IV 18000 IV 16000 | 89.2 89.5 | 89.3 89.6 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 | 89.3 89.7 |
| IV 14000 IV 12000 | 91.6 94.3 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 | 91.8 94.5 |
| IV 10000 IV 9000 | 95.7 96.3 | 95.8 96.5 | 95.8 96.5 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 | 95.8 96.6 |
| IV 8000 IV 7000 | 97.2 98.1 | 97.4 98.3 | 97.5 98.4 | 97.5 98.5 | 97.6 98.5 | 97.6 98.5 | 97.6 98.5 | 97.6 98.5 | 97.6 98.5 | 97.6 98.5 | 97.6 98.5 | 97.6 98.5 | 97.6 98.5 | 97.7 98.6 | 97.7 98.6 | 97.7 98.6 |
| IV 6000 IV 5000 | 98.8 99.1 | 99.1 99.4 | 99.2 99.6 | 99.3 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.4 99.7 | 99.5 99.8 | 99.5 99.8 | 99.5 99.8 | 99.5 99.8 | 99.6 100.0 | 99.6 100.0 | 99.6 100.0 |
| IV 4500 IV 4000 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 3500 IV 3000 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 2500 IV 2000 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 1800 IV 1500 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 1200 IV 1000 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 900 IV 800 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 700 IV 600 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 500 IV 400 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 300 IV 200 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| IV 100 IV 0 | 99.1 99.1 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2262

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-60,63-65,72-74

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 | 87.5 89.0 |
| IV 18000 IV 16000 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 | 89.3 89.8 |
| IV 14000 IV 12000 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 | 91.5 93.2 |
| IV 10000 IV 9000 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 | 94.0 95.0 |
| IV 8000 IV 7000 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 | 96.0 96.8 |
| IV 6000 IV 5000 | 97.8 98.9 | 97.8 99.0 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 | 97.8 99.1 |
| IV 4500 IV 4000 | 99.0 99.3 | 99.1 99.4 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 | 99.2 99.5 |
| IV 3500 IV 3000 | 99.4 99.5 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 |
| IV 2500 IV 2000 | 99.6 99.6 | 99.6 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| IV 1800 IV 1500 | 99.6 99.6 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| IV 1200 IV 1000 | 99.6 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| IV 900 IV 800 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| IV 700 IV 600 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| IV 500 IV 400 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| IV 300 IV 200 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| IV 100 IV 0 | 99.7 99.7 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1962

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 20000 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 18000 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 16000 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 14000 | 90.2 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 12000 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| ≥ 10000 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 9000 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 8000 | 95.1 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 | 95.3 |
| ≥ 7000 | 95.8 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 |
| ≥ 6000 | 97.0 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| ≥ 5000 | 98.4 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 4500 | 98.6 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 4000 | 98.9 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 99.1 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 3000 | 99.3 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 2000 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 99.3 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

OCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 0 | ≥ 0 |
| NO CEILING | 80.7 | 80.8 | 80.9 | 80.9 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 | 81.0 |
| ≥ 20000 | 84.1 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 18000 | 84.3 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 16000 | 85.2 | 85.4 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| ≥ 14000 | 87.7 | 87.8 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 |
| ≥ 12000 | 90.6 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 |
| ≥ 10000 | 92.2 | 92.3 | 92.4 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 9000 | 92.8 | 92.9 | 93.0 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| ≥ 8000 | 94.4 | 94.6 | 94.6 | 94.7 | 94.8 | 94.8 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 7000 | 95.1 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 6000 | 96.3 | 96.6 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 5000 | 97.6 | 97.9 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 4500 | 97.9 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| ≥ 4000 | 98.1 | 98.4 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3500 | 98.4 | 98.7 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3000 | 98.5 | 98.8 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 98.6 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.6 | 99.0 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 98.6 | 99.0 | 99.3 | 99.5 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.6 | 99.0 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ¾ | ¾ | ¾ | ≥5/16 | ¾ | ≥0 |
| NO CEILING | 79.0 | 79.5 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 20000 | 84.7 | 85.3 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 18000 | 85.1 | 85.7 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 16000 | 85.9 | 86.5 | 86.8 | 86.8 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 | 86.9 |
| ≥ 14000 | 87.6 | 88.2 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 12000 | 89.7 | 90.4 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 | 90.7 |
| ≥ 10000 | 91.6 | 92.3 | 92.5 | 92.6 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 9000 | 92.1 | 92.8 | 93.0 | 93.1 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| ≥ 8000 | 93.2 | 93.9 | 94.2 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 7000 | 93.7 | 94.4 | 94.7 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 6000 | 95.1 | 95.9 | 96.2 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 | 96.5 |
| ≥ 5000 | 96.5 | 97.3 | 97.6 | 97.7 | 97.9 | 97.9 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 |
| ≥ 4500 | 96.7 | 97.6 | 97.9 | 98.0 | 98.2 | 98.2 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4000 | 97.0 | 97.9 | 98.2 | 98.3 | 98.6 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 3500 | 97.3 | 98.2 | 98.5 | 98.6 | 98.9 | 98.9 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3000 | 97.4 | 98.2 | 98.6 | 98.7 | 99.0 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2500 | 97.5 | 98.4 | 98.8 | 98.9 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 97.7 | 98.5 | 98.9 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1800 | 97.7 | 98.6 | 99.0 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 97.7 | 98.6 | 99.0 | 99.1 | 99.4 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 97.7 | 98.6 | 99.0 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 97.7 | 98.6 | 99.0 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 97.7 | 98.6 | 99.0 | 99.2 | 99.5 | 99.5 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 97.7 | 98.6 | 99.1 | 99.2 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 97.7 | 98.7 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 97.7 | 98.7 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 97.7 | 98.7 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.7 | 98.7 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.7 | 98.7 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.7 | 98.7 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.7 | 98.7 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.7 | 98.7 | 99.1 | 99.3 | 99.6 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 3012

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

GCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 79.2 | 80.1 | 80.2 | 80.2 | 80.3 | 80.3 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 | 80.4 |
| ≥ 20000 | 85.9 | 86.9 | 87.0 | 87.0 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 18000 | 86.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 16000 | 87.3 | 88.3 | 88.3 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 14000 | 89.2 | 90.2 | 90.3 | 90.3 | 90.4 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 12000 | 90.9 | 91.9 | 92.1 | 92.1 | 92.2 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 | 92.3 |
| ≥ 10000 | 92.1 | 93.1 | 93.2 | 93.3 | 93.4 | 93.4 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 | 93.5 |
| ≥ 9000 | 92.8 | 93.8 | 94.0 | 94.0 | 94.1 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 8000 | 93.2 | 94.3 | 94.5 | 94.5 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 7000 | 94.0 | 95.2 | 95.3 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 |
| ≥ 6000 | 95.2 | 96.2 | 96.5 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 |
| ≥ 5000 | 96.2 | 97.5 | 97.8 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 4500 | 96.5 | 97.8 | 98.0 | 98.1 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 4000 | 97.0 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3500 | 97.3 | 98.7 | 98.9 | 99.0 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3000 | 97.4 | 98.8 | 99.0 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2500 | 97.8 | 99.1 | 99.4 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 2000 | 97.9 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 97.9 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1500 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 97.9 | 99.3 | 99.5 | 99.7 | 99.8 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 3012

2
7
DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

UCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 79.0 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 20000 | 86.4 | 87.0 | 87.0 | 87.0 | 87.0 | 87.0 | 87.1 | 87.1 | 87.1 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 | 87.2 |
| ≥ 18000 | 86.8 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 |
| ≥ 16000 | 88.0 | 88.6 | 88.6 | 88.6 | 88.7 | 88.7 | 88.8 | 88.8 | 88.8 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 | 88.9 |
| ≥ 14000 | 89.9 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| ≥ 12000 | 91.8 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 |
| ≥ 10000 | 93.1 | 93.7 | 93.7 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 9000 | 93.7 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| ≥ 8000 | 94.5 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 |
| ≥ 7000 | 95.9 | 96.6 | 96.6 | 96.6 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 |
| ≥ 6000 | 96.8 | 97.5 | 97.6 | 97.6 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 |
| ≥ 5000 | 97.9 | 98.7 | 98.8 | 98.8 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 4500 | 98.0 | 98.9 | 98.9 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 |
| ≥ 4000 | 98.3 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 3500 | 98.3 | 99.1 | 99.2 | 99.2 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 3000 | 98.4 | 99.2 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2500 | 98.5 | 99.3 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2000 | 98.5 | 99.3 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.5 | 99.3 | 99.4 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.5 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2920

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS (EST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ¾ | ¾ | ¾ | ¾ | ¾ | ≥0 |
| NO CEILING | 82.7 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 82.9 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 | 83.0 |
| ≥ 20000 | 88.2 | 88.4 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 18000 | 88.9 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 | 89.2 |
| ≥ 16000 | 89.6 | 89.9 | 89.9 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| ≥ 14000 | 91.4 | 91.7 | 91.7 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| ≥ 12000 | 93.2 | 93.5 | 93.5 | 93.5 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 | 93.6 |
| ≥ 10000 | 94.4 | 94.8 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 |
| ≥ 9000 | 94.8 | 95.2 | 95.2 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 8000 | 95.5 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 7000 | 96.9 | 97.3 | 97.4 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| ≥ 6000 | 97.9 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 5000 | 98.5 | 99.1 | 99.2 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4500 | 98.5 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 4000 | 98.6 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 98.6 | 99.4 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3000 | 98.6 | 99.4 | 99.5 | 99.5 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 2500 | 98.7 | 99.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2000 | 98.7 | 99.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1800 | 98.7 | 99.4 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1000 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 800 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 98.7 | 99.5 | 99.6 | 99.6 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2661

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

231C4
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JCT
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 |
| ≥ 20000 | 90.4 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 | 90.5 |
| ≥ 18000 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 |
| IV 16000 | 91.4 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 |
| ≥ 14000 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 |
| IV 12000 | 94.5 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 | 94.6 |
| ≥ 10000 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 9000 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 8000 | 97.2 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 | 97.3 |
| IV 7000 | 97.9 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 | 98.1 |
| ≥ 6000 | 98.8 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 5000 | 99.2 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 4500 | 99.3 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 4000 | 99.4 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 3500 | 99.4 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 3000 | 99.5 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 2500 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 2000 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1800 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1500 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 1200 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 1000 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 900 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 700 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 99.6 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2262

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-64,71,73
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 85.2 | 85.4 | 85.6 | 85.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 | 85.7 |
| ≥ 20000 | 89.0 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 | 89.5 |
| ≥ 18000 | 89.5 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| ≥ 16000 | 90.5 | 90.7 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 14000 | 91.1 | 91.3 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 |
| ≥ 12000 | 92.5 | 92.7 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 92.9 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 | 93.0 |
| ≥ 10000 | 93.5 | 93.8 | 93.9 | 93.9 | 93.9 | 93.9 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 | 94.0 |
| ≥ 9000 | 94.0 | 94.2 | 94.3 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 8000 | 95.0 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 |
| ≥ 7000 | 95.8 | 96.0 | 96.1 | 96.1 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 |
| ≥ 6000 | 96.7 | 96.9 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 | 97.2 |
| ≥ 5000 | 97.7 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4500 | 97.9 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 4000 | 98.5 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 3500 | 98.7 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 3000 | 98.7 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.8 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2000 | 98.8 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 98.8 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1500 | 98.8 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 900 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| 0 | 98.9 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 1889

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
TEAMS

W11V
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 84.4 | 84.5 | 84.7 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 | 85.0 |
| ≥ 2000 | 88.8 | 88.9 | 89.1 | 89.2 | 89.2 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 18000 | 89.2 | 89.4 | 89.5 | 89.6 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 |
| ≥ 16000 | 89.8 | 89.9 | 90.0 | 90.1 | 90.2 | 90.2 | 90.2 | 90.3 | 90.3 | 90.3 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 | 90.4 |
| ≥ 14000 | 90.6 | 90.7 | 90.9 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 | 91.2 |
| ≥ 12000 | 92.2 | 92.3 | 92.4 | 92.5 | 92.6 | 92.6 | 92.6 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 |
| ≥ 10000 | 93.8 | 93.9 | 94.0 | 94.1 | 94.2 | 94.2 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| ≥ 9000 | 93.9 | 94.0 | 94.1 | 94.2 | 94.3 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| ≥ 8000 | 94.6 | 94.7 | 94.9 | 95.0 | 95.1 | 95.1 | 95.1 | 95.1 | 95.1 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 | 95.2 |
| ≥ 7000 | 95.2 | 95.3 | 95.5 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| ≥ 6000 | 96.4 | 96.5 | 96.7 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 5000 | 97.7 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4500 | 98.0 | 98.2 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 |
| ≥ 4000 | 98.2 | 98.5 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 3500 | 98.5 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 3000 | 98.7 | 99.1 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.8 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 2000 | 98.8 | 99.2 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1800 | 98.8 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1500 | 98.8 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1200 | 98.8 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 1000 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 800 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 98.8 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 2167

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|-------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 78.7 | 78.9 | 77.2 | 79.3 | 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.7 |
| ≥ 20000 | 85.6 | 85.2 | 85.5 | 85.6 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 85.9 | 86.0 |
| ≥ 18000 | 85.4 | 85.7 | 85.9 | 86.0 | 86.1 | 86.1 | 86.1 | 86.2 | 86.2 | 86.2 | 86.2 | 86.2 | 86.3 | 86.3 | 86.3 | 86.4 |
| ≥ 16000 | 86.5 | 86.8 | 87.0 | 87.2 | 87.2 | 87.2 | 87.3 | 87.3 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.4 | 87.5 | 87.5 |
| ≥ 14000 | 88.4 | 88.7 | 88.9 | 89.1 | 89.1 | 89.1 | 89.2 | 89.2 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.3 | 89.4 | 89.4 |
| ≥ 12000 | 90.9 | 90.2 | 90.4 | 90.6 | 90.7 | 90.7 | 90.7 | 90.7 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.8 | 90.9 | 90.9 |
| ≥ 10000 | 91.4 | 91.7 | 92.0 | 92.2 | 92.3 | 92.3 | 92.3 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 |
| ≥ 9000 | 91.8 | 91.1 | 92.4 | 92.6 | 92.7 | 92.7 | 92.7 | 92.7 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.8 | 92.9 | 92.9 |
| ≥ 8000 | 92.7 | 93.1 | 93.4 | 93.6 | 93.7 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 94.0 |
| ≥ 7000 | 93.8 | 94.3 | 94.5 | 94.7 | 94.8 | 94.8 | 94.8 | 94.9 | 94.9 | 94.9 | 95.0 | 95.0 | 95.0 | 95.0 | 95.0 | 95.1 |
| ≥ 6000 | 95.3 | 95.7 | 96.0 | 96.2 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.5 | 96.6 |
| ≥ 5000 | 97.0 | 97.4 | 97.7 | 98.0 | 98.1 | 98.1 | 98.1 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4500 | 97.1 | 97.6 | 97.9 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 |
| ≥ 4000 | 97.7 | 98.2 | 98.5 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 |
| ≥ 3500 | 97.9 | 98.4 | 98.7 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 3000 | 98.1 | 98.7 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 2500 | 98.2 | 98.8 | 99.1 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 2000 | 98.2 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1800 | 98.2 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1500 | 98.2 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1200 | 98.2 | 98.9 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 1000 | 98.2 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 900 | 98.2 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 800 | 98.2 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 98.2 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 98.2 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 98.2 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 400 | 98.2 | 98.9 | 99.2 | 99.4 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 300 | 98.2 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 200 | 98.2 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 100 | 98.2 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 0 | 98.2 | 98.9 | 99.2 | 99.4 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |

TOTAL NUMBER OF OBSERVATIONS 2698

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1900-1100
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 74.3 | 75.4 | 75.9 | 76.2 | 76.3 | 76.3 | 76.3 | 76.3 | 76.3 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 | 76.4 |
| ≥ 20000 | 82.4 | 83.9 | 84.4 | 84.7 | 84.7 | 84.7 | 84.7 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 |
| IV 18000 | 82.9 | 84.4 | 85.0 | 85.3 | 85.3 | 85.3 | 85.3 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 | 85.4 |
| IV 15000 | 84.2 | 85.7 | 86.3 | 86.6 | 86.6 | 86.6 | 86.6 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.7 | 86.8 | 86.8 | 86.8 |
| IV 14000 | 86.1 | 87.6 | 88.2 | 88.5 | 88.5 | 88.5 | 88.5 | 88.6 | 88.6 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 | 88.7 |
| IV 12000 | 87.3 | 88.9 | 89.5 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| IV 10000 | 89.1 | 90.6 | 91.3 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 | 91.7 |
| IV 9000 | 89.6 | 91.2 | 91.8 | 92.1 | 92.1 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| IV 8000 | 90.6 | 92.3 | 92.9 | 93.2 | 93.3 | 93.3 | 93.3 | 93.3 | 93.3 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| IV 7000 | 91.7 | 93.4 | 94.1 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 | 94.5 |
| IV 6000 | 93.1 | 94.8 | 95.4 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 5000 | 94.8 | 96.6 | 97.2 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 | 97.7 |
| IV 4500 | 94.9 | 96.8 | 97.4 | 97.7 | 97.7 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 |
| IV 4000 | 95.3 | 97.2 | 97.8 | 98.1 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 3500 | 95.4 | 97.4 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.6 |
| IV 3000 | 95.7 | 97.7 | 98.4 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| IV 2500 | 95.9 | 98.0 | 98.7 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 2000 | 96.1 | 98.2 | 99.0 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 1800 | 96.1 | 98.3 | 99.0 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 1500 | 96.1 | 98.3 | 99.0 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 1200 | 96.1 | 98.3 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 |
| IV 1000 | 96.1 | 98.3 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| IV 900 | 96.2 | 98.3 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| IV 800 | 96.2 | 98.3 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 |
| IV 700 | 96.2 | 98.4 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 600 | 96.2 | 98.4 | 99.3 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 500 | 96.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 400 | 96.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 300 | 96.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 200 | 96.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 100 | 96.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| IV 0 | 96.2 | 98.4 | 99.3 | 99.7 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2864

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS UTC

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 1/16 | ≥ 1/8 | ≥ 0 |
| NO CEILING | 72.1 | 73.7 | 74.2 | 74.3 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 | 74.4 |
| ≥ 20000 | 81.1 | 83.1 | 83.6 | 83.9 | 83.9 | 83.9 | 83.9 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 | 84.0 |
| ≥ 18000 | 81.5 | 83.4 | 83.9 | 84.2 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 |
| ≥ 16000 | 82.9 | 84.9 | 85.4 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 14000 | 84.8 | 86.8 | 87.3 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 | 87.8 |
| ≥ 12000 | 86.5 | 88.6 | 89.2 | 89.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 10000 | 88.0 | 90.1 | 90.6 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 9000 | 88.2 | 90.3 | 90.9 | 91.2 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 | 91.3 |
| ≥ 8000 | 89.4 | 91.5 | 92.1 | 92.4 | 92.4 | 92.4 | 92.4 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| ≥ 7000 | 90.5 | 92.7 | 93.2 | 93.6 | 93.6 | 93.6 | 93.6 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 | 93.7 |
| ≥ 6000 | 92.1 | 94.3 | 94.9 | 95.3 | 95.3 | 95.3 | 95.3 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 5000 | 93.4 | 95.7 | 96.3 | 96.7 | 96.7 | 96.7 | 96.7 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.8 | 96.9 | 96.9 |
| ≥ 4500 | 93.6 | 95.9 | 96.5 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 | 97.1 |
| ≥ 4000 | 94.3 | 96.8 | 97.4 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 3500 | 94.7 | 97.2 | 97.9 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 |
| ≥ 3000 | 95.2 | 97.8 | 98.4 | 98.8 | 98.9 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 |
| ≥ 2500 | 95.4 | 98.1 | 98.7 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 2000 | 95.5 | 98.2 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1800 | 95.5 | 98.2 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1500 | 95.5 | 98.2 | 98.9 | 99.3 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 1200 | 95.6 | 98.3 | 99.0 | 99.3 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 1000 | 95.6 | 98.3 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 900 | 95.6 | 98.3 | 99.0 | 99.4 | 99.5 | 99.5 | 99.5 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 |
| ≥ 800 | 95.6 | 98.4 | 99.1 | 99.4 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 | 99.9 |
| ≥ 700 | 95.7 | 98.4 | 99.1 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 95.7 | 98.5 | 99.1 | 99.5 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 95.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 95.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 95.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 95.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 95.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 95.7 | 98.5 | 99.2 | 99.5 | 99.7 | 99.7 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2887

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1500-1700

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 72.4 82.0 | 74.1 84.0 | 74.2 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 | 74.3 84.2 |
| ≥ 18000 IV 16000 | 82.7 84.0 | 84.7 86.0 | 84.9 86.2 | 84.9 86.3 | 84.9 86.3 | 84.9 86.3 | 84.9 86.3 | 84.9 86.3 | 84.9 86.3 | 84.9 86.3 | 84.9 86.3 | 84.9 86.3 | 84.9 86.3 | 85.0 86.4 | 85.0 86.4 | 85.0 86.4 |
| ≥ 14000 IV 12000 | 86.6 88.3 | 88.9 90.7 | 89.0 90.9 | 89.1 90.9 | 89.1 90.9 | 89.1 90.9 | 89.1 91.0 | 89.1 91.0 | 89.1 91.0 | 89.1 91.0 | 89.1 91.0 | 89.1 91.0 | 89.1 91.0 | 89.2 91.2 | 89.2 91.2 | 89.2 91.2 |
| ≥ 10000 IV 9000 | 89.8 90.3 | 92.2 92.7 | 92.4 92.9 | 92.4 93.0 | 92.4 93.0 | 92.4 93.0 | 92.5 93.1 | 92.6 93.1 | 92.6 93.1 | 92.6 93.1 | 92.6 93.1 | 92.6 93.1 | 92.6 93.1 | 92.7 93.2 | 92.7 93.2 | 92.7 93.2 |
| ≥ 8000 IV 7000 | 90.9 92.1 | 93.4 94.6 | 93.6 94.8 | 93.7 94.9 | 93.7 94.9 | 93.7 94.9 | 93.7 95.0 | 93.8 95.0 | 93.8 95.0 | 93.8 95.0 | 93.8 95.0 | 93.8 95.0 | 93.8 95.0 | 93.9 95.1 | 93.9 95.1 | 93.9 95.1 |
| ≥ 6000 IV 5000 | 93.4 94.8 | 95.9 97.3 | 96.1 97.6 | 96.2 97.6 | 96.2 97.6 | 96.2 97.6 | 96.2 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.4 97.8 | 96.4 97.8 | 96.4 97.8 |
| ≥ 4500 IV 4000 | 95.3 95.7 | 97.9 98.3 | 98.1 98.6 | 98.2 98.6 | 98.2 98.6 | 98.2 98.6 | 98.2 98.7 | 98.3 98.7 | 98.3 98.7 | 98.3 98.7 | 98.3 98.7 | 98.3 98.7 | 98.3 98.7 | 98.4 98.9 | 98.4 98.9 | 98.4 98.9 |
| ≥ 3500 IV 3000 | 95.8 96.0 | 98.5 98.8 | 98.7 99.1 | 98.8 99.1 | 98.8 99.1 | 98.8 99.1 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 99.0 99.3 | 99.0 99.3 | 99.0 99.3 |
| ≥ 2500 IV 2000 | 96.2 96.3 | 99.0 99.1 | 99.3 99.4 | 99.3 99.4 | 99.3 99.4 | 99.3 99.4 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 |
| ≥ 1800 IV 1500 | 96.3 96.3 | 99.1 99.2 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.5 99.6 | 99.5 99.7 | 99.5 99.7 | 99.5 99.7 | 99.5 99.7 | 99.5 99.7 | 99.5 99.7 | 99.6 99.8 | 99.6 99.8 | 99.6 99.8 |
| ≥ 1200 IV 1000 | 96.4 96.4 | 99.2 99.2 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.8 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.9 100.0 | 99.9 100.0 | 99.9 100.0 |
| ≥ 900 IV 800 | 96.4 96.4 | 99.2 99.2 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 700 IV 600 | 96.4 96.4 | 99.2 99.2 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 500 IV 400 | 96.4 96.4 | 99.2 99.2 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 300 IV 200 | 96.4 96.4 | 99.2 99.2 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 100 IV 0 | 96.4 96.4 | 99.2 99.2 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2793

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|------------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING, ≥ 20000 | 79.0 85.2 | 80.5 86.8 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 | 80.6 86.9 |
| ≥ 18000 IV 16000 | 85.8 86.6 | 87.4 88.2 | 87.5 88.3 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 | 87.5 88.4 |
| ≥ 14000 IV 12000 | 88.4 90.2 | 90.0 91.9 | 90.1 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 | 90.2 92.1 |
| ≥ 10000 IV 9000 | 91.3 92.0 | 93.1 93.8 | 93.2 93.9 | 93.2 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 | 93.3 94.0 |
| ≥ 8000 IV 7000 | 93.1 93.9 | 95.0 95.8 | 95.1 95.9 | 95.1 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 | 95.2 96.0 |
| ≥ 6000 IV 5000 | 95.0 95.9 | 97.0 98.1 | 97.1 98.3 | 97.2 98.3 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 | 97.2 98.4 |
| ≥ 4500 IV 4000 | 96.4 96.7 | 98.6 99.0 | 98.7 99.1 | 98.8 99.1 | 98.8 99.2 | 98.8 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 | 98.9 99.2 |
| ≥ 3500 IV 3000 | 96.9 96.9 | 99.1 99.1 | 99.2 99.2 | 99.2 99.2 | 99.3 99.3 | 99.3 99.3 | 99.4 99.4 | 99.4 99.4 | 99.4 99.4 | 99.4 99.4 | 99.4 99.4 | 99.4 99.4 | 99.4 99.4 | 99.4 99.4 | 99.4 99.4 | 99.4 99.4 |
| ≥ 2500 IV 2000 | 96.9 97.0 | 99.2 99.3 | 99.3 99.4 | 99.4 99.4 | 99.4 99.5 | 99.5 99.5 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 |
| ≥ 1800 IV 1500 | 97.0 97.1 | 99.3 99.4 | 99.4 99.5 | 99.5 99.5 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 |
| ≥ 1200 IV 1000 | 97.1 97.2 | 99.6 99.6 | 99.7 99.7 | 99.7 99.8 | 99.8 99.8 | 99.8 99.8 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 | 99.8 99.9 |
| ≥ 900 IV 800 | 97.2 97.2 | 99.6 99.6 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 700 IV 600 | 97.2 97.2 | 99.6 99.6 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 | 99.9 99.9 |
| ≥ 500 IV 400 | 97.2 97.2 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 300 IV 200 | 97.2 97.2 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |
| ≥ 100 IV 0 | 97.2 97.2 | 99.7 99.7 | 99.8 99.8 | 99.8 99.8 | 99.9 99.9 | 99.9 99.9 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2516

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NOV
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ¾ | ¾ | ¾ | ≥5/16 | ¾ | ≥0 |
| NO CEILING | 84.3 | 84.6 | 84.7 | 84.7 | 84.8 | 84.8 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 | 84.9 |
| ≥ 20000 | 89.1 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 | 89.7 |
| ≥ 18000 | 89.3 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 | 89.9 |
| IV 16000 | 89.9 | 90.3 | 90.5 | 90.5 | 90.5 | 90.5 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| IV 14000 | 91.5 | 91.9 | 92.0 | 92.0 | 92.1 | 92.1 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 | 92.2 |
| IV 12000 | 92.6 | 93.0 | 93.1 | 93.1 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 |
| IV 10000 | 93.6 | 94.1 | 94.2 | 94.2 | 94.3 | 94.3 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 | 94.4 |
| IV 9000 | 94.0 | 94.4 | 94.6 | 94.6 | 94.6 | 94.6 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 | 94.7 |
| IV 8000 | 95.1 | 95.6 | 95.7 | 95.7 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 | 95.8 |
| IV 7000 | 95.8 | 96.3 | 96.4 | 96.4 | 96.5 | 96.5 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 | 96.6 |
| IV 6000 | 96.7 | 97.2 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 | 97.5 |
| IV 5000 | 97.8 | 98.4 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 | 98.7 |
| IV 4500 | 98.0 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 4000 | 98.2 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| IV 3500 | 98.3 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| IV 3000 | 98.4 | 99.1 | 99.3 | 99.3 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| IV 2500 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 2000 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 1800 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 1500 | 98.4 | 99.1 | 99.3 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 1200 | 98.5 | 99.3 | 99.5 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1000 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 900 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 800 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 700 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 600 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 500 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| 0 | 98.6 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2116

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-64,71
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ½ | ≥ ¼ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 79.4 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 | 79.5 |
| ≥ 20000 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.3 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 | 84.4 |
| ≥ 18000 | 84.6 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 | 84.7 |
| ≥ 16000 | 85.8 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 |
| ≥ 14000 | 88.4 | 88.5 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 | 88.6 |
| ≥ 12000 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 10000 | 91.5 | 91.8 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 | 91.9 |
| ≥ 9000 | 92.2 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 8000 | 93.8 | 94.1 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 | 94.2 |
| ≥ 7000 | 95.4 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 6000 | 96.4 | 96.8 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 | 96.9 |
| ≥ 5000 | 97.7 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| ≥ 4500 | 97.8 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 4000 | 98.2 | 98.7 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 |
| ≥ 3500 | 98.3 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 3000 | 98.4 | 99.0 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| ≥ 2500 | 98.4 | 99.1 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 2000 | 98.5 | 99.2 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1800 | 98.5 | 99.2 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 |
| ≥ 1500 | 98.5 | 99.3 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 98.5 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 700 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 600 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 500 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 400 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 300 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 200 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 100 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 0 | 98.6 | 99.3 | 99.5 | 99.6 | 99.6 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 1952

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0300-0500
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------------|----------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----------------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING ≥ 20000 | 78.5 83.2 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.8 83.6 | 78.9 83.6 |
| ≥ 18000 ≥ 16000 | 83.6 84.7 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.0 85.0 | 84.1 85.1 |
| ≥ 14000 ≥ 12000 | 87.2 88.8 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.2 | 87.6 89.3 |
| ≥ 10000 ≥ 9000 | 90.4 91.0 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 | 90.8 91.4 |
| ≥ 8000 ≥ 7000 | 92.7 94.4 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 | 93.2 94.9 |
| ≥ 6000 ≥ 5000 | 95.8 97.1 | 96.2 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.3 97.7 | 96.4 97.8 |
| ≥ 4500 ≥ 4000 | 97.3 98.0 | 97.9 98.7 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.0 98.8 | 98.1 98.9 |
| ≥ 3500 ≥ 3000 | 98.1 98.2 | 98.9 98.9 | 99.0 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.1 | 99.1 99.2 |
| ≥ 2500 ≥ 2000 | 98.3 98.3 | 99.1 99.2 | 99.3 99.4 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 | 99.4 99.5 |
| ≥ 1800 ≥ 1500 | 98.3 98.3 | 99.2 99.2 | 99.4 99.4 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 | 99.5 99.5 |
| ≥ 1200 ≥ 1000 | 98.3 98.3 | 99.2 99.2 | 99.4 99.4 | 99.5 99.5 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 | 99.5 99.6 |
| ≥ 900 ≥ 800 | 98.3 98.3 | 99.2 99.2 | 99.4 99.4 | 99.5 99.5 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.6 | 99.6 99.7 |
| ≥ 700 ≥ 600 | 98.3 98.3 | 99.2 99.2 | 99.4 99.4 | 99.5 99.5 | 99.6 99.6 | 99.6 99.6 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.6 99.7 | 99.7 99.7 |
| ≥ 500 ≥ 400 | 98.3 98.3 | 99.2 99.2 | 99.4 99.4 | 99.5 99.5 | 99.6 99.6 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 |
| ≥ 300 ≥ 200 | 98.3 98.3 | 99.2 99.2 | 99.4 99.4 | 99.5 99.6 | 99.6 99.7 | 99.6 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.8 |
| ≥ 100 ≥ 0 | 98.3 98.3 | 99.2 99.2 | 99.4 99.4 | 99.6 99.6 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.7 | 99.7 99.8 | 99.8 99.8 | 100.0 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2177

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0600-0800
HOURS (LST)

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|-------|------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 72.3 | 73.3 | 73.3 | 73.4 | 73.4 | 73.4 | 73.4 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.5 | 73.6 | 73.6 | 73.8 |
| ≥ 20000 | 78.0 | 78.9 | 78.9 | 79.0 | 79.0 | 79.0 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.1 | 79.2 | 79.3 | 79.4 |
| ≥ 18000 | 78.4 | 79.4 | 79.4 | 79.4 | 79.5 | 79.5 | 79.5 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.9 |
| ≥ 16000 | 80.0 | 81.0 | 81.0 | 81.0 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.2 | 81.3 | 81.3 | 81.4 |
| ≥ 14000 | 82.3 | 83.3 | 83.3 | 83.3 | 83.4 | 83.4 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 | 83.7 |
| ≥ 12000 | 84.6 | 85.6 | 85.6 | 85.7 | 85.7 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.9 | 85.9 | 86.1 |
| ≥ 10000 | 86.5 | 87.5 | 87.5 | 87.5 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.6 | 87.7 | 87.7 | 87.7 | 87.8 | 87.8 | 87.9 |
| ≥ 9000 | 86.9 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.1 | 88.2 | 88.2 | 88.4 |
| ≥ 8000 | 88.5 | 89.5 | 89.5 | 89.5 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.7 | 89.7 | 89.7 | 89.8 | 89.8 | 89.9 |
| ≥ 7000 | 90.1 | 91.1 | 91.1 | 91.2 | 91.2 | 91.2 | 91.3 | 91.3 | 91.3 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.6 | 91.8 |
| ≥ 6000 | 92.5 | 93.6 | 93.7 | 93.7 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.8 | 93.9 | 93.9 | 94.0 | 94.0 | 94.1 | 94.3 |
| ≥ 5000 | 94.5 | 95.7 | 95.7 | 95.8 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 96.0 | 96.0 | 96.0 | 96.1 | 96.2 | 96.4 |
| ≥ 4500 | 95.0 | 96.2 | 96.2 | 96.3 | 96.3 | 96.3 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.5 | 96.5 | 96.7 | 96.8 |
| ≥ 4000 | 95.6 | 97.0 | 97.0 | 97.1 | 97.1 | 97.1 | 97.2 | 97.2 | 97.2 | 97.2 | 97.3 | 97.3 | 97.3 | 97.4 | 97.5 | 97.7 |
| ≥ 3500 | 95.8 | 97.1 | 97.3 | 97.3 | 97.4 | 97.4 | 97.4 | 97.4 | 97.5 | 97.5 | 97.5 | 97.5 | 97.6 | 97.6 | 97.8 | 97.9 |
| ≥ 3000 | 96.1 | 97.5 | 97.7 | 97.7 | 97.8 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.1 | 98.2 | 98.4 |
| ≥ 2500 | 96.3 | 97.8 | 98.1 | 98.1 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.5 | 98.7 | 98.8 |
| ≥ 2000 | 96.4 | 98.0 | 98.3 | 98.4 | 98.4 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.9 | 99.1 |
| ≥ 1800 | 96.4 | 98.0 | 98.3 | 98.4 | 98.5 | 98.5 | 98.5 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 99.0 | 99.1 |
| ≥ 1500 | 96.4 | 98.1 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.2 |
| ≥ 1200 | 96.5 | 98.2 | 98.5 | 98.6 | 98.6 | 98.6 | 98.7 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.3 |
| ≥ 1000 | 96.6 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.3 | 99.4 |
| ≥ 900 | 96.6 | 98.3 | 98.6 | 98.7 | 98.7 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.3 | 99.4 |
| ≥ 800 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.4 | 99.6 |
| ≥ 700 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 |
| ≥ 600 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 |
| ≥ 500 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 |
| ≥ 400 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 |
| ≥ 300 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.2 | 99.2 | 99.4 | 99.6 |
| ≥ 200 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.1 | 99.1 | 99.3 | 99.3 | 99.6 | 99.9 |
| ≥ 100 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.6 | 100.0 |
| ≥ 0 | 96.6 | 98.3 | 98.6 | 98.7 | 98.8 | 98.8 | 98.9 | 99.0 | 99.0 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.6 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2695

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

0900-1100
HOURS (LST)

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|--------|------|------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 68.0 | 69.5 | 69.8 | 69.9 | 70.0 | 70.0 | 70.0 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.1 | 70.2 | 70.2 |
| ≥ 20000 | 76.5 | 78.1 | 78.4 | 78.5 | 78.6 | 78.6 | 78.6 | 78.7 | 78.7 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.8 | 78.9 |
| ≥ 18000 | 77.4 | 79.0 | 79.4 | 79.5 | 79.6 | 79.6 | 79.6 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.7 | 79.8 | 79.8 |
| ≥ 15000 | 78.9 | 80.6 | 80.9 | 81.0 | 81.1 | 81.1 | 81.1 | 81.2 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.4 |
| ≥ 14000 | 81.2 | 83.0 | 83.3 | 83.5 | 83.5 | 83.5 | 83.6 | 83.6 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.8 |
| ≥ 12000 | 83.5 | 85.2 | 85.5 | 85.7 | 85.8 | 85.8 | 85.9 | 85.9 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.0 | 86.1 |
| ≥ 10000 | 84.8 | 86.5 | 86.9 | 87.1 | 87.1 | 87.1 | 87.2 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.3 | 87.4 | 87.4 |
| ≥ 9000 | 85.4 | 87.2 | 87.5 | 87.7 | 87.8 | 87.8 | 87.8 | 87.9 | 87.9 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.0 | 88.1 |
| ≥ 8000 | 87.2 | 89.0 | 89.3 | 89.5 | 89.5 | 89.5 | 89.6 | 89.7 | 89.7 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.8 | 89.9 |
| ≥ 7000 | 88.9 | 90.8 | 91.1 | 91.3 | 91.4 | 91.4 | 91.4 | 91.5 | 91.5 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.6 | 91.7 |
| ≥ 6000 | 90.4 | 92.3 | 92.7 | 92.9 | 93.0 | 93.0 | 93.1 | 93.1 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.2 | 93.3 |
| ≥ 5000 | 92.6 | 94.6 | 95.0 | 95.2 | 95.4 | 95.4 | 95.5 | 95.5 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.6 | 95.7 |
| ≥ 4500 | 93.2 | 95.1 | 95.6 | 95.8 | 95.9 | 95.9 | 96.0 | 96.1 | 96.1 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.2 | 96.3 |
| ≥ 4000 | 93.9 | 96.0 | 96.4 | 96.6 | 96.8 | 96.8 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.1 | 97.1 |
| ≥ 3500 | 94.3 | 96.5 | 96.9 | 97.1 | 97.3 | 97.3 | 97.5 | 97.5 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.7 |
| ≥ 3000 | 94.6 | 96.9 | 97.3 | 97.5 | 97.7 | 97.7 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.1 | 98.1 |
| ≥ 2500 | 94.9 | 97.2 | 97.7 | 98.1 | 98.3 | 98.3 | 98.4 | 98.5 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.6 | 98.7 |
| ≥ 2000 | 95.1 | 97.4 | 97.9 | 98.3 | 98.5 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 |
| ≥ 1800 | 95.1 | 97.5 | 98.0 | 98.4 | 98.7 | 98.7 | 98.8 | 98.9 | 98.9 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.0 | 99.1 |
| ≥ 1500 | 95.3 | 97.7 | 98.2 | 98.6 | 98.9 | 98.9 | 99.0 | 99.1 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.3 |
| ≥ 1200 | 95.5 | 97.9 | 98.4 | 98.8 | 99.0 | 99.0 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 1000 | 95.5 | 98.0 | 98.5 | 98.9 | 99.2 | 99.2 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 900 | 95.5 | 98.1 | 98.6 | 99.0 | 99.2 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 800 | 95.5 | 98.1 | 98.6 | 99.0 | 99.2 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 |
| ≥ 700 | 95.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 |
| ≥ 600 | 95.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 500 | 95.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 400 | 95.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 300 | 95.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 200 | 95.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 100 | 95.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |
| ≥ 0 | 95.5 | 98.1 | 98.6 | 99.0 | 99.3 | 99.3 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.8 |

TOTAL NUMBER OF OBSERVATIONS 2927

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1200-1400
HOURS U.S.T.

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|--------|-------|-------|
| | ≥ 10 | ≥ 6 | ≥ 5 | ≥ 4 | ≥ 3 | ≥ 2½ | ≥ 2 | ≥ 1½ | ≥ 1¼ | ≥ 1 | ≥ ¾ | ≥ ¾ | ≥ ½ | ≥ 5/16 | ≥ ¼ | ≥ 0 |
| NO CEILING | 65.8 | 67.6 | 67.8 | 67.9 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 | 68.1 |
| ≥ 20000 | 75.9 | 77.9 | 78.1 | 78.3 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 | 78.5 |
| ≥ 18000 | 77.0 | 79.0 | 79.2 | 79.4 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 | 79.6 |
| ≥ 16000 | 78.5 | 80.7 | 80.9 | 81.0 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 14000 | 80.9 | 83.0 | 83.2 | 83.5 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 | 83.7 |
| ≥ 12000 | 83.0 | 85.1 | 85.4 | 85.6 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 10000 | 84.7 | 86.9 | 87.2 | 87.4 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 9000 | 85.3 | 87.5 | 87.8 | 88.1 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| ≥ 8000 | 86.5 | 88.8 | 89.0 | 89.3 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 | 89.6 |
| ≥ 7000 | 87.9 | 90.1 | 90.4 | 90.7 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 | 91.0 |
| ≥ 6000 | 89.9 | 92.2 | 92.5 | 92.8 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 | 93.1 |
| ≥ 5000 | 92.0 | 94.5 | 94.8 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| ≥ 4500 | 92.8 | 95.4 | 95.8 | 96.1 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 | 96.4 |
| ≥ 4000 | 93.3 | 96.3 | 96.8 | 97.1 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 | 97.4 |
| ≥ 3500 | 94.2 | 96.8 | 97.3 | 97.6 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 3000 | 94.7 | 97.4 | 97.9 | 98.2 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| ≥ 2500 | 95.0 | 97.7 | 98.2 | 98.5 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| ≥ 2000 | 95.3 | 98.0 | 98.5 | 98.8 | 99.1 | 99.2 | 99.2 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| ≥ 1800 | 95.4 | 98.1 | 98.5 | 98.9 | 99.2 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| ≥ 1500 | 95.5 | 98.3 | 98.7 | 99.1 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1200 | 95.5 | 98.3 | 98.8 | 99.1 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 95.5 | 98.4 | 98.9 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 900 | 95.5 | 98.4 | 98.9 | 99.2 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 800 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 700 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 600 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| ≥ 500 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 95.6 | 98.5 | 98.9 | 99.3 | 99.7 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2931

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700
HOURS U.S.T.

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥¾ | ≥½ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 64.6 | 65.9 | 65.9 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 | 66.0 |
| ≥ 20000 | 77.0 | 78.5 | 78.5 | 78.6 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 | 78.7 |
| ≥ 18000 | 78.1 | 79.6 | 79.6 | 79.7 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 | 79.8 |
| ≥ 16000 | 79.6 | 81.1 | 81.1 | 81.2 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 | 81.3 |
| ≥ 14000 | 81.7 | 83.2 | 83.3 | 83.4 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 | 83.5 |
| ≥ 12000 | 83.9 | 85.5 | 85.5 | 85.7 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 | 85.8 |
| ≥ 10000 | 85.6 | 87.2 | 87.3 | 87.5 | 87.6 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 | 87.7 |
| ≥ 9000 | 86.4 | 88.0 | 88.1 | 88.3 | 88.4 | 88.4 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 | 88.5 |
| ≥ 8000 | 87.3 | 88.9 | 89.0 | 89.2 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 | 89.4 |
| ≥ 7000 | 88.9 | 90.6 | 90.7 | 90.9 | 91.0 | 91.0 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 | 91.1 |
| ≥ 6000 | 90.2 | 91.9 | 92.0 | 92.2 | 92.3 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 | 92.4 |
| ≥ 5000 | 92.7 | 94.5 | 94.6 | 94.7 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 | 94.9 |
| ≥ 4500 | 93.5 | 95.3 | 95.4 | 95.6 | 95.8 | 95.8 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 | 95.9 |
| ≥ 4000 | 94.6 | 96.4 | 96.6 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 3500 | 95.4 | 97.3 | 97.5 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 | 97.9 |
| ≥ 3000 | 95.6 | 97.8 | 98.0 | 98.2 | 98.3 | 98.3 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 | 98.4 |
| ≥ 2500 | 96.1 | 98.3 | 98.5 | 98.7 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| ≥ 2000 | 96.4 | 98.8 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1800 | 96.4 | 98.8 | 99.0 | 99.2 | 99.4 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1500 | 96.5 | 98.9 | 99.1 | 99.3 | 99.5 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1200 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| ≥ 1000 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 900 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 800 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 700 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 600 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 500 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 400 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 300 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 200 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 100 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| ≥ 0 | 96.5 | 98.9 | 99.1 | 99.4 | 99.6 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2911

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

1800-2000
HOURS 1151

| CEILING (FEET) | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-------------------|----------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ≥¾ | ≥½ | ≥¼ | ≥5/16 | ≥¼ | ≥0 |
| NO CEILING | 71.2 | 72.3 | 72.5 | 72.5 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 | 72.7 |
| ≥ 20000 | 80.0 | 81.4 | 81.7 | 81.7 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 | 81.8 |
| ≥ 18000 | 80.6 | 82.0 | 82.2 | 82.3 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 | 82.4 |
| IV 16000 | 81.4 | 82.8 | 83.0 | 83.1 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 | 83.2 |
| IV 14000 | 83.5 | 85.0 | 85.3 | 85.4 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 | 85.5 |
| IV 12000 | 86.2 | 87.7 | 88.0 | 88.2 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 | 88.3 |
| IV 10000 | 87.7 | 89.4 | 89.7 | 89.9 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 | 90.0 |
| IV 9000 | 88.3 | 89.9 | 90.3 | 90.4 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 | 90.6 |
| IV 8000 | 89.4 | 91.1 | 91.5 | 91.6 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 |
| IV 7000 | 91.1 | 92.7 | 93.1 | 93.2 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 | 93.4 |
| IV 6000 | 93.0 | 94.7 | 95.1 | 95.2 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 | 95.4 |
| IV 5000 | 95.1 | 96.9 | 97.3 | 97.4 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 | 97.6 |
| IV 4500 | 95.7 | 97.5 | 97.9 | 98.0 | 98.2 | 98.2 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 | 98.3 |
| IV 4000 | 95.9 | 97.8 | 98.2 | 98.3 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 | 98.5 |
| IV 3500 | 96.1 | 98.0 | 98.4 | 98.6 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 |
| IV 3000 | 96.4 | 98.4 | 98.8 | 98.9 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 |
| IV 2500 | 96.6 | 98.5 | 99.0 | 99.2 | 99.3 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 |
| IV 2000 | 96.6 | 98.8 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 1800 | 96.6 | 98.8 | 99.2 | 99.4 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| IV 1500 | 96.6 | 98.8 | 99.2 | 99.5 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1200 | 96.6 | 98.8 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 1000 | 96.6 | 98.8 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 900 | 96.6 | 98.8 | 99.4 | 99.6 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| IV 800 | 96.6 | 98.8 | 99.4 | 99.7 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 700 | 96.6 | 98.8 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 600 | 96.6 | 98.8 | 99.4 | 99.7 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 |
| IV 500 | 96.6 | 98.8 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 400 | 96.6 | 98.8 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 300 | 96.6 | 98.8 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 200 | 96.6 | 98.8 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 100 | 96.6 | 98.8 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |
| IV 0 | 96.6 | 98.8 | 99.4 | 99.7 | 99.9 | 99.9 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS... 2407

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

2100-2300
HOURS LST

| CEILING FEET | VISIBILITY (STATUTE MILES) | | | | | | | | | | | | | | | |
|-----------------|----------------------------|------|------|------|------|------|------|------|------|------|------|------|------|------|-------|-------|
| | ≥10 | ≥6 | ≥5 | ≥4 | ≥3 | ≥2½ | ≥2 | ≥1½ | ≥1¼ | ≥1 | ¾ | ¾ | ¾ | ¾ | ≥5/16 | ≥¼ |
| NO CEILING | 77.5 | 78.0 | 78.0 | 78.0 | 78.0 | 78.0 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 | 78.1 |
| ≥ 20000 | 83.9 | 84.5 | 84.5 | 84.5 | 84.5 | 84.5 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 | 84.6 |
| ≥ 18000 | 84.6 | 85.1 | 85.1 | 85.1 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.2 | 85.3 |
| ≥ 16000 | 85.8 | 86.4 | 86.4 | 86.5 | 86.5 | 86.5 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 | 86.6 |
| ≥ 14000 | 88.1 | 88.8 | 88.9 | 88.9 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.0 | 89.1 | 89.1 |
| ≥ 12000 | 89.9 | 90.6 | 90.7 | 90.8 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 90.9 | 91.0 | 91.0 |
| ≥ 10000 | 90.8 | 91.5 | 91.6 | 91.7 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.8 | 91.9 | 91.9 |
| ≥ 9000 | 91.4 | 92.3 | 92.4 | 92.4 | 92.5 | 92.5 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 | 92.6 |
| ≥ 8000 | 92.9 | 93.8 | 93.9 | 93.9 | 94.0 | 94.0 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 | 94.1 |
| ≥ 7000 | 94.2 | 95.2 | 95.3 | 95.4 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.5 | 95.6 |
| ≥ 6000 | 95.8 | 96.7 | 96.8 | 96.8 | 96.9 | 96.9 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 | 97.0 |
| ≥ 5000 | 96.8 | 97.7 | 97.8 | 97.8 | 97.9 | 97.9 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 | 98.0 |
| ≥ 4500 | 96.9 | 97.9 | 98.0 | 98.1 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.2 | 98.3 |
| ≥ 4000 | 97.4 | 98.5 | 98.6 | 98.7 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.8 | 98.9 |
| ≥ 3500 | 97.5 | 98.6 | 98.8 | 98.8 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 98.9 | 99.0 |
| ≥ 3000 | 97.7 | 98.8 | 98.9 | 99.0 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.1 | 99.2 |
| ≥ 2500 | 97.8 | 99.1 | 99.2 | 99.3 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.4 | 99.5 |
| ≥ 2000 | 97.8 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 1800 | 97.8 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 1500 | 97.8 | 99.2 | 99.3 | 99.4 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.5 | 99.6 |
| ≥ 1200 | 97.9 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 1000 | 97.9 | 99.2 | 99.4 | 99.4 | 99.5 | 99.5 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 | 99.6 |
| ≥ 900 | 97.9 | 99.3 | 99.4 | 99.5 | 99.6 | 99.6 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 | 99.7 |
| ≥ 800 | 97.9 | 99.3 | 99.4 | 99.6 | 99.7 | 99.7 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.9 |
| ≥ 700 | 97.9 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 600 | 97.9 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 500 | 97.9 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 400 | 97.9 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 300 | 97.9 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 200 | 97.9 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 100 | 97.9 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |
| ≥ 0 | 97.9 | 99.3 | 99.4 | 99.6 | 99.8 | 99.8 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 99.9 | 100.0 |

TOTAL NUMBER OF OBSERVATIONS 2091

SKY COVER SUMMARY

The individual increments formerly reported in total sky cover of airways observations are no longer available from the source data from Jan 71 and later. Increments reported after 1970 are clear, scattered, broken, overcast, partial obscuration and obscured (0, 3, 9, or 10). Therefore, the sky cover summary for this station is limited to the period through Dec 70.

PART D

SKY COVER

This summary is prepared from hourly observations and is a percentage frequency distribution of total sky cover by tenths, plus mean sky cover, and total number of observations. It is presented in two tables as follows:

1. By month and annual - all hours and all years combined.

2. By month - by standard 3-hour groups.

NOTE: # 1: Sky cover (total cloud amount) was not reported by U. S. Services until mid 1945. Data, when available, were punched for Air Force stations beginning in 1946, but were not available for Navy stations until 1948 or 1949. Weather Bureau stations recorded total cloud amount in remarks beginning sometime in 1945, but few stations have punched data prior to 1948. This summary will, of course, be limited to period of available data.

NOTE: # 2: Some sources of punched data used for this summary report cloud amounts in oktas. These have been converted to tenths prior to summarizing, and notation is made on the form to indicate that data were originally reported in oktas. The manner of conversion is given below:

| <u>OKTAS</u> | <u>TENTHS</u> |
|-----------------|---------------|
| 0 | 0 |
| 1 | 1 |
| 2 | 3 |
| 3 | 4 |
| 4 | 5 |
| 5 | 6 |
| 6 | 8 |
| 7 | 9 |
| 8 (or obscured) | 10 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

ALL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | ALL | 41.1 | 5.0 | 5.2 | 4.1 | 3.6 | 2.5 | 3.5 | 3.9 | 5.4 | 4.5 | 21.3 | 4.0 | 16043 |
| FEB | | 43.3 | 5.3 | 5.0 | 4.5 | 3.1 | 2.7 | 3.6 | 4.2 | 5.4 | 4.0 | 19.0 | 3.8 | 14141 |
| MAR | | 39.5 | 6.1 | 5.7 | 4.9 | 3.8 | 3.2 | 3.8 | 4.2 | 6.0 | 4.1 | 18.7 | 3.9 | 15299 |
| APR | | 48.0 | 6.5 | 5.9 | 4.8 | 4.1 | 2.9 | 3.4 | 4.4 | 4.8 | 3.1 | 12.2 | 3.1 | 15560 |
| MAY | | 55.4 | 6.8 | 5.7 | 4.5 | 3.5 | 2.5 | 3.4 | 4.1 | 4.5 | 2.8 | 6.9 | 2.4 | 16409 |
| JUN | | 63.3 | 7.3 | 5.1 | 4.1 | 3.4 | 2.3 | 2.7 | 2.7 | 3.3 | 2.0 | 3.9 | 1.7 | 16025 |
| JUL | | 22.7 | 8.5 | 8.5 | 7.3 | 6.3 | 5.4 | 5.5 | 7.0 | 8.8 | 6.3 | 13.8 | 4.5 | 16448 |
| AUG | | 28.9 | 8.3 | 8.2 | 7.4 | 6.4 | 4.7 | 4.5 | 6.3 | 8.2 | 5.6 | 11.6 | 4.0 | 16529 |
| SEP | | 55.0 | 8.3 | 6.4 | 5.3 | 4.2 | 3.0 | 3.3 | 3.6 | 3.5 | 2.2 | 5.3 | 2.2 | 15801 |
| OCT | | 57.1 | 6.8 | 5.5 | 4.6 | 3.5 | 2.4 | 3.3 | 3.4 | 4.0 | 2.6 | 6.9 | 2.3 | 16159 |
| NOV | | 52.2 | 6.2 | 5.3 | 4.1 | 3.2 | 2.4 | 3.2 | 3.9 | 4.6 | 3.6 | 11.6 | 2.8 | 15314 |
| DEC | | 45.1 | 5.4 | 5.3 | 4.3 | 3.2 | 2.4 | 3.6 | 3.8 | 5.1 | 4.3 | 17.6 | 3.6 | 15564 |
| TOTALS | | 46.0 | 6.7 | 6.0 | 5.0 | 4.0 | 3.0 | 3.7 | 4.3 | 5.3 | 3.8 | 12.4 | 3.2 | 189292 |

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104 WILLIAMS AFB ARIZONA/CHANDLER

46-70

JAN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JAN | 00-02 | 53.6 | 3.2 | 5.5 | 3.2 | 3.7 | 1.7 | 2.9 | 3.9 | 3.4 | 2.2 | 16.7 | 3.1 | 1608 |
| | 03-05 | 55.1 | 2.5 | 4.0 | 4.2 | 3.5 | 2.0 | 2.6 | 3.1 | 4.2 | 1.8 | 16.9 | 3.0 | 1816 |
| | 06-08 | 40.7 | 4.8 | 6.0 | 4.4 | 3.1 | 3.0 | 3.6 | 4.0 | 5.3 | 4.0 | 21.1 | 4.0 | 2148 |
| | 09-11 | 33.4 | 6.8 | 4.8 | 4.0 | 3.5 | 2.8 | 2.9 | 4.1 | 4.5 | 6.5 | 26.8 | 4.6 | 2246 |
| | 12-14 | 31.0 | 6.4 | 4.5 | 4.1 | 3.8 | 2.9 | 3.9 | 3.3 | 5.4 | 7.5 | 27.2 | 4.9 | 2258 |
| | 15-17 | 28.8 | 7.0 | 5.6 | 3.8 | 3.3 | 2.9 | 3.8 | 3.9 | 7.2 | 7.1 | 26.8 | 5.0 | 2211 |
| | 18-20 | 36.8 | 5.8 | 5.4 | 4.6 | 4.4 | 2.8 | 5.0 | 5.0 | 7.2 | 4.1 | 18.9 | 4.1 | 2033 |
| | 21-23 | 49.0 | 3.5 | 5.6 | 4.5 | 3.7 | 2.1 | 3.5 | 3.7 | 5.8 | 2.6 | 16.1 | 3.3 | 1723 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 41.1 | 5.0 | 5.2 | 4.1 | 3.6 | 2.5 | 3.5 | 3.9 | 5.4 | 4.5 | 21.3 | 4.0 | 16043 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

FEB

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| FEB | 00-02 | 58.9 | 2.8 | 4.1 | 3.6 | 2.4 | 1.4 | 2.4 | 2.6 | 4.0 | 1.4 | 16.7 | 2.8 | 1404 |
| | 03-05 | 56.5 | 2.9 | 4.4 | 3.5 | 2.8 | 2.0 | 2.6 | 3.8 | 4.0 | 1.6 | 15.9 | 2.9 | 1595 |
| | 06-08 | 42.2 | 5.9 | 5.8 | 4.3 | 3.8 | 3.0 | 4.2 | 3.8 | 5.4 | 4.7 | 16.9 | 3.7 | 1901 |
| | 09-11 | 38.0 | 6.8 | 4.4 | 4.9 | 3.2 | 2.9 | 3.8 | 5.3 | 5.5 | 5.7 | 19.7 | 4.1 | 1995 |
| | 12-14 | 32.1 | 6.7 | 6.5 | 4.8 | 2.7 | 3.9 | 3.2 | 4.6 | 7.1 | 6.2 | 22.1 | 4.5 | 2007 |
| | 15-17 | 28.5 | 7.3 | 5.3 | 5.5 | 4.0 | 3.5 | 4.1 | 5.1 | 6.5 | 6.2 | 23.8 | 4.8 | 1964 |
| | 18-20 | 37.0 | 6.0 | 5.3 | 5.3 | 3.3 | 2.6 | 3.4 | 5.2 | 6.3 | 4.0 | 19.6 | 4.1 | 1780 |
| | 21-23 | 52.6 | 3.7 | 4.2 | 3.7 | 2.7 | 2.4 | 2.9 | 3.5 | 4.2 | 2.4 | 17.5 | 3.2 | 1495 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 43.3 | 5.3 | 5.0 | 4.5 | 3.1 | 2.7 | 3.6 | 4.2 | 5.4 | 4.0 | 19.0 | 3.8 | 14141 |

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

47-70

MAR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| MAR | 00-02 | 53.4 | 3.9 | 4.6 | 4.5 | 2.4 | 2.6 | 2.7 | 3.2 | 5.2 | 2.5 | 15.1 | 3.0 | 1488 |
| | 03-05 | 51.6 | 3.3 | 4.7 | 5.9 | 4.3 | 2.8 | 3.1 | 3.2 | 4.3 | 2.1 | 14.8 | 3.0 | 1707 |
| | 06-08 | 37.5 | 7.0 | 6.6 | 4.6 | 3.5 | 3.1 | 2.9 | 4.9 | 6.4 | 4.5 | 18.9 | 4.0 | 2050 |
| | 09-11 | 35.2 | 8.5 | 5.5 | 4.3 | 2.9 | 3.3 | 3.5 | 3.9 | 5.9 | 6.1 | 20.7 | 4.2 | 2171 |
| | 12-14 | 28.9 | 8.0 | 5.8 | 4.5 | 4.8 | 4.5 | 5.0 | 4.8 | 6.9 | 5.5 | 21.3 | 4.6 | 2183 |
| | 15-17 | 25.4 | 7.8 | 6.5 | 5.5 | 4.6 | 4.0 | 4.6 | 5.8 | 6.4 | 5.9 | 23.5 | 4.8 | 2126 |
| | 18-20 | 34.7 | 6.9 | 6.2 | 5.3 | 4.1 | 3.1 | 4.1 | 4.6 | 7.3 | 4.0 | 19.7 | 4.2 | 1922 |
| | 21-23 | 49.4 | 3.1 | 5.9 | 4.8 | 4.1 | 2.5 | 4.2 | 3.3 | 5.4 | 1.9 | 15.3 | 3.2 | 1652 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 39.5 | 6.1 | 5.7 | 4.9 | 3.8 | 3.2 | 3.8 | 4.2 | 6.0 | 4.1 | 18.7 | 3.9 | 15299 |

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

APR

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| APR | 00-02 | 64.6 | 3.7 | 4.7 | 3.5 | 2.4 | 1.7 | 1.6 | 3.1 | 3.3 | 1.7 | 9.7 | 2.1 | 1530 |
| | 03-05 | 59.0 | 4.1 | 5.9 | 4.2 | 2.5 | 2.2 | 3.0 | 3.3 | 3.6 | 2.1 | 10.0 | 2.4 | 1743 |
| | 06-08 | 47.0 | 7.9 | 5.2 | 5.0 | 3.6 | 2.7 | 3.1 | 4.7 | 5.0 | 3.4 | 12.4 | 3.1 | 2083 |
| | 09-11 | 45.6 | 8.6 | 5.8 | 4.2 | 3.4 | 3.2 | 3.2 | 4.2 | 4.8 | 3.9 | 13.2 | 3.2 | 2188 |
| | 12-14 | 37.6 | 8.3 | 6.1 | 5.3 | 5.1 | 3.6 | 3.4 | 5.8 | 6.3 | 4.3 | 14.2 | 3.7 | 2199 |
| | 15-17 | 34.8 | 7.7 | 6.9 | 5.0 | 5.6 | 4.0 | 4.1 | 6.4 | 5.9 | 4.3 | 15.2 | 3.9 | 2146 |
| | 18-20 | 38.9 | 6.9 | 6.1 | 5.6 | 5.8 | 3.3 | 5.4 | 4.8 | 6.2 | 4.0 | 12.9 | 3.6 | 1984 |
| | 21-23 | 56.2 | 4.6 | 6.5 | 5.2 | 4.3 | 2.6 | 3.0 | 3.1 | 3.6 | 1.8 | 10.1 | 2.4 | 1687 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 48.0 | 6.5 | 5.9 | 4.8 | 4.1 | 2.9 | 3.4 | 4.4 | 4.8 | 3.1 | 12.2 | 3.1 | 15560 |

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

MAY

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS. |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|-------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| MAY | 00-02 | 69.4 | 4.0 | 5.0 | 3.7 | 2.6 | 1.3 | 2.1 | 2.7 | 3.0 | .9 | 4.6 | 1.5 | 1685 |
| | 03-05 | 66.1 | 4.9 | 4.9 | 3.4 | 3.2 | 2.6 | 2.2 | 3.4 | 3.0 | 1.6 | 4.8 | 1.7 | 1870 |
| | 06-08 | 53.9 | 8.1 | 4.9 | 4.4 | 2.8 | 2.0 | 4.0 | 4.1 | 4.8 | 3.7 | 7.3 | 2.5 | 2171 |
| | 09-11 | 54.2 | 6.1 | 4.9 | 5.1 | 2.9 | 2.6 | 4.3 | 4.3 | 4.7 | 3.4 | 7.5 | 2.5 | 2276 |
| | 12-14 | 47.9 | 8.1 | 6.6 | 4.6 | .0 | 2.9 | 3.5 | 4.5 | 5.3 | 4.1 | 8.4 | 2.8 | 2272 |
| | 15-17 | 45.0 | 8.8 | 6.6 | 4.6 | 4.1 | 3.4 | 3.7 | 4.6 | 5.6 | 3.7 | 9.9 | 3.0 | 2215 |
| | 18-20 | 45.8 | 8.9 | 6.3 | 5.7 | 4.5 | 2.9 | 3.8 | 5.1 | 6.3 | 3.3 | 7.3 | 2.8 | 2064 |
| | 21-23 | 60.8 | 5.3 | 5.4 | 4.1 | 4.1 | 2.3 | 3.6 | 3.9 | 3.0 | 1.6 | 5.3 | 2.0 | 1856 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 55.4 | 6.8 | 5.7 | 4.5 | 3.5 | 2.5 | 3.4 | 4.1 | 4.5 | 2.8 | 6.9 | 2.4 | 16409 |

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104 WILLIAMS AFB ARIZONA/CHANDLER

46-70

JUN

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUN | 00-02 | 74.1 | 4.7 | 3.9 | 3.0 | 3.1 | 1.3 | 1.6 | 1.8 | 1.7 | .7 | 4.2 | 1.2 | 1634 |
| | 03-05 | 67.7 | 6.4 | 5.1 | 4.0 | 3.0 | 1.9 | 1.9 | 1.9 | 2.9 | 1.5 | 3.5 | 1.5 | 1820 |
| | 06-08 | 60.0 | 9.8 | 5.3 | 4.3 | 2.9 | 2.4 | 2.5 | 3.0 | 4.2 | 2.0 | 3.6 | 1.8 | 2116 |
| | 09-11 | 62.8 | 7.6 | 5.1 | 4.0 | 3.6 | 2.3 | 2.7 | 2.3 | 3.3 | 1.9 | 4.4 | 1.8 | 2215 |
| | 12-14 | 59.2 | 8.3 | 6.3 | 4.2 | 3.5 | 2.3 | 3.1 | 3.4 | 3.5 | 2.5 | 3.7 | 1.9 | 2215 |
| | 15-17 | 56.2 | 9.6 | 5.5 | 5.0 | 4.2 | 3.2 | 3.5 | 2.7 | 3.6 | 2.8 | 3.8 | 2.0 | 2158 |
| | 18-20 | 57.5 | 7.6 | 4.9 | 3.9 | 4.0 | 2.9 | 3.4 | 3.5 | 4.6 | 3.0 | 4.6 | 2.1 | 2013 |
| | 21-23 | 63.7 | 4.1 | 4.6 | 4.1 | 3.2 | 2.4 | 2.8 | 3.0 | 2.4 | 1.3 | 3.5 | 1.5 | 1854 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 63.3 | 7.3 | 5.1 | 4.1 | 3.4 | 2.3 | 2.7 | 2.7 | 3.3 | 2.0 | 3.9 | 1.7 | 16025 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

JUL

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|-------------------|---|------|------|------|-----|-----|-----|-----|------|-----|------|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| JUL | 00-02 | 32.4 | 6.0 | 6.3 | 5.8 | 5.0 | 2.8 | 5.5 | 5.9 | 6.9 | 4.9 | 18.5 | 4.3 | 1696 |
| | 03-05 | 27.2 | 7.2 | 7.2 | 6.1 | 5.7 | 4.1 | 5.6 | 7.6 | 8.7 | 6.1 | 14.5 | 4.4 | 1863 |
| | 06-08 | 16.9 | 8.4 | 7.8 | 7.0 | 6.7 | 5.7 | 5.6 | 7.4 | 11.7 | 8.2 | 14.5 | 5.0 | 2166 |
| | 09-11 | 23.7 | 10.4 | 8.8 | 6.7 | 6.4 | 6.0 | 5.9 | 7.2 | 7.9 | 6.4 | 10.4 | 4.2 | 2269 |
| | 12-14 | 24.2 | 11.0 | 11.3 | 10.1 | 7.6 | 6.4 | 5.2 | 6.9 | 6.6 | 4.0 | 6.8 | 3.6 | 2262 |
| | 15-17 | 18.0 | 11.5 | 11.7 | 9.3 | 7.8 | 8.3 | 5.4 | 7.2 | 8.2 | 5.3 | 7.3 | 4.0 | 2193 |
| | 18-20 | 15.8 | 7.6 | 6.9 | 6.7 | 5.8 | 5.7 | 5.7 | 7.7 | 11.7 | 9.9 | 16.5 | 5.3 | 2083 |
| | 21-23 | 23.5 | 5.7 | 7.6 | 6.4 | 5.6 | 4.4 | 5.0 | 5.7 | 9.0 | 5.3 | 21.8 | 4.9 | 1916 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 22.7 | 8.5 | 8.5 | 7.3 | 6.3 | 5.4 | 5.5 | 7.0 | 8.8 | 6.3 | 13.8 | 4.5 | 16448 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

AUG

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|--------|-------------------|---|------|------|------|-----|-----|-----|-----|-----|-----|------|--------------------------------|-----------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| AUG | 00-02 | 41.2 | 5.2 | 6.0 | 4.5 | 4.6 | 2.6 | 3.9 | 4.5 | 7.0 | 3.5 | 16.9 | 3.7 | 1674 |
| | 03-05 | 37.1 | 7.4 | 6.9 | 6.4 | 4.9 | 3.3 | 5.3 | 5.9 | 7.2 | 4.0 | 11.7 | 3.6 | 1871 |
| | 06-08 | 25.0 | 8.8 | 8.2 | 6.6 | 5.7 | 4.2 | 4.0 | 8.0 | 9.3 | 7.9 | 12.2 | 4.4 | 2198 |
| | 09-11 | 30.9 | 8.8 | 8.8 | 7.5 | 6.6 | 4.5 | 4.3 | 6.0 | 9.0 | 5.7 | 8.0 | 3.7 | 2300 |
| | 12-14 | 25.0 | 11.7 | 12.1 | 10.3 | 7.6 | 6.6 | 4.6 | 6.4 | 6.9 | 4.1 | 4.7 | 3.4 | 2288 |
| | 15-17 | 18.3 | 11.6 | 12.1 | 11.5 | 9.5 | 7.4 | 4.0 | 6.3 | 9.1 | 5.4 | 4.8 | 3.8 | 2220 |
| | 18-20 | 20.6 | 7.2 | 6.5 | 7.4 | 6.7 | 4.6 | 5.7 | 7.1 | 9.5 | 8.7 | 16.2 | 4.9 | 2103 |
| | 21-23 | 32.8 | 5.6 | 5.2 | 4.6 | 5.8 | 4.4 | 4.2 | 6.0 | 7.6 | 5.5 | 18.2 | 4.4 | 1875 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 28.9 | 8.3 | 8.2 | 7.4 | 6.4 | 4.7 | 4.5 | 6.3 | 8.2 | 5.6 | 11.6 | 4.0 | 16529 |

USAFETAC

FORM
JUL 64

C-9-5 (OL A)

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104 WILLIAMS AFB ARIZONA/CHANDLER

46-70

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|-------------------|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| SEP | 00-02 | 67.8 | 5.0 | 4.3 | 3.2 | 3.2 | 2.2 | 3.4 | 2.2 | 2.5 | 1.3 | 5.0 | 1.6 | 1610 |
| | 03-05 | 65.3 | 6.3 | 5.4 | 3.9 | 3.7 | 2.2 | 2.1 | 3.2 | 2.1 | 1.3 | 4.4 | 1.6 | 1787 |
| | 06-08 | 50.6 | 9.7 | 7.2 | 6.3 | 4.4 | 2.9 | 3.8 | 3.8 | 3.8 | 1.9 | 5.5 | 2.3 | 2090 |
| | 09-11 | 54.8 | 8.9 | 6.1 | 5.3 | 3.6 | 3.0 | 3.1 | 4.0 | 3.1 | 3.0 | 5.1 | 2.2 | 2196 |
| | 12-14 | 48.9 | 10.2 | 8.7 | 6.4 | 5.0 | 3.1 | 3.1 | 3.7 | 3.7 | 2.7 | 4.6 | 2.3 | 2196 |
| | 15-17 | 42.4 | 11.7 | 8.6 | 7.9 | 4.9 | 4.9 | 3.0 | 3.9 | 5.0 | 2.6 | 5.0 | 2.6 | 2129 |
| | 18-20 | 48.7 | 9.4 | 5.9 | 4.8 | 4.6 | 3.2 | 4.5 | 5.1 | 4.6 | 2.6 | 6.7 | 2.6 | 2012 |
| | 21-23 | 61.4 | 5.3 | 4.8 | 4.8 | 4.0 | 2.2 | 3.1 | 3.2 | 3.3 | 1.9 | 6.0 | 2.0 | 1781 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 55.0 | 8.3 | 6.4 | 5.3 | 4.2 | 3.0 | 3.3 | 3.6 | 3.5 | 2.2 | 5.3 | 2.2 | 15801 |

USAFETAC

FORM
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

OCT

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO. OF OBS |
|--------|-------------------|---|------|-----|-----|-----|-----|-----|-----|-----|-----|-----|--------------------------------|------------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| OCT | 00-02 | 69.4 | 3.7 | 5.1 | 3.9 | 2.8 | .8 | 2.2 | 2.5 | 2.7 | .8 | 6.1 | 1.6 | 1581 |
| | 03-05 | 68.2 | 3.8 | 4.4 | 3.9 | 2.1 | 1.4 | 2.8 | 3.1 | 1.9 | 1.4 | 6.8 | 1.8 | 1802 |
| | 06-08 | 53.4 | 6.9 | 5.7 | 4.4 | 3.9 | 3.4 | 3.0 | 4.5 | 4.2 | 3.7 | 6.8 | 2.5 | 2164 |
| | 09-11 | 52.8 | 6.4 | 5.7 | 4.3 | 3.2 | 2.6 | 4.0 | 4.5 | 5.1 | 3.8 | 7.6 | 2.6 | 2282 |
| | 12-14 | 48.1 | 8.6 | 5.6 | 5.8 | 4.7 | 2.8 | 3.8 | 4.2 | 5.9 | 3.0 | 7.6 | 2.7 | 2300 |
| | 15-17 | 45.1 | 10.7 | 6.6 | 5.3 | 4.3 | 3.1 | 4.4 | 3.8 | 5.5 | 3.7 | 7.3 | 2.8 | 2226 |
| | 18-20 | 54.6 | 8.5 | 5.8 | 5.2 | 3.9 | 2.2 | 3.3 | 2.9 | 3.9 | 2.8 | 6.9 | 2.3 | 2051 |
| | 21-23 | 65.4 | 5.5 | 4.8 | 3.9 | 3.1 | 2.5 | 2.7 | 1.9 | 2.9 | 1.5 | 5.8 | 1.8 | 1753 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 57.1 | 6.8 | 5.5 | 4.6 | 3.5 | 2.4 | 3.3 | 3.4 | 4.0 | 2.6 | 6.9 | 2.3 | 16159 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-70

NDV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|-----------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| NDV | 00-02 | 66.3 | 3.9 | 4.3 | 3.2 | 2.2 | 1.9 | 3.0 | 2.1 | 3.5 | 1.6 | 8.0 | 2.0 | 1526 |
| | 03-05 | 64.2 | 3.1 | 5.6 | 3.0 | 2.7 | 1.7 | 3.0 | 2.8 | 4.3 | 1.4 | 8.3 | 2.1 | 1727 |
| | 06-08 | 49.7 | 7.4 | 5.4 | 5.2 | 3.5 | 2.2 | 2.8 | 3.0 | 4.0 | 4.5 | 12.3 | 2.9 | 2050 |
| | 09-11 | 44.1 | 8.1 | 5.6 | 4.3 | 2.8 | 2.1 | 3.1 | 4.1 | 5.6 | 5.5 | 14.8 | 3.4 | 2161 |
| | 12-14 | 41.5 | 7.1 | 6.1 | 4.4 | 3.4 | 3.4 | 2.3 | 5.5 | 6.3 | 5.5 | 14.5 | 3.6 | 2176 |
| | 15-17 | 39.2 | 8.1 | 5.8 | 4.5 | 3.8 | 3.1 | 4.1 | 5.7 | 5.3 | 5.6 | 14.9 | 3.7 | 2120 |
| | 18-20 | 49.8 | 7.1 | 5.3 | 4.4 | 3.5 | 2.9 | 3.7 | 4.8 | 4.2 | 3.0 | 11.3 | 2.9 | 1922 |
| | 21-23 | 62.5 | 4.4 | 4.3 | 3.4 | 3.9 | 1.7 | 3.6 | 2.9 | 3.3 | 1.3 | 8.7 | 2.1 | 1632 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 52.2 | 6.2 | 5.3 | 4.1 | 3.2 | 2.4 | 3.2 | 3.9 | 4.6 | 3.6 | 11.6 | 2.8 | 15314 |

USAFETAC

FORM
JUL 64 0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

SKY COVER

23104 WILLIAMS AFB ARIZONA/CHANDLER

46-70

DLC

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER | | | | | | | | | | | MEAN TENTHS OF SKY COVER | TOTAL NO OF OBS |
|--------|-------------------|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|--------------------------------|-----------------------|
| | | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | | |
| DEC | 00-02 | 57.7 | 3.1 | 5.7 | 4.1 | 3.4 | 1.6 | 2.9 | 2.3 | 3.0 | 2.4 | 13.0 | 2.6 | 1576 |
| | 03-05 | 58.9 | 2.9 | 4.2 | 3.8 | 2.4 | 1.8 | 3.0 | 3.0 | 3.5 | 1.6 | 15.0 | 2.7 | 1750 |
| | 06-08 | 43.4 | 6.1 | 6.3 | 4.4 | 3.6 | 2.6 | 3.3 | 3.9 | 5.1 | 4.5 | 16.9 | 3.6 | 2079 |
| | 09-11 | 37.4 | 7.7 | 5.9 | 3.8 | 3.5 | 3.0 | 3.0 | 3.9 | 6.4 | 5.9 | 19.6 | 4.1 | 2220 |
| | 12-14 | 34.4 | 7.2 | 4.9 | 4.1 | 3.5 | 3.0 | 4.2 | 4.2 | 6.7 | 6.2 | 21.6 | 4.4 | 2231 |
| | 15-17 | 31.9 | 7.3 | 5.5 | 4.3 | 3.2 | 2.0 | 3.6 | 4.8 | 6.6 | 6.9 | 23.9 | 4.6 | 2155 |
| | 18-20 | 42.5 | 5.6 | 5.4 | 4.4 | 3.2 | 2.9 | 4.0 | 4.9 | 3.5 | 4.0 | 17.6 | 3.7 | 1879 |
| | 21-23 | 54.5 | 3.6 | 4.7 | 5.1 | 2.8 | 2.2 | 4.9 | 3.1 | 3.2 | 2.7 | 13.1 | 2.8 | 1674 |
| | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| TOTALS | | 45.1 | 5.4 | 5.3 | 4.3 | 3.2 | 2.4 | 3.6 | 3.8 | 5.1 | 4.3 | 17.6 | 3.6 | 15564 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART E

PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
 - a. Daily maximum temperatures
 - b. Daily minimum temperatures
 - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
 - a. Extreme maximum temperature
 - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.
This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the RAW Count of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares (ΣX^2), sums of values (ΣX), means (\bar{X}), and standard deviations (σ_x). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.

- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|----------------|---------|---------|----------|---------|---------|------------------------------------|--------|-----------|----------|----------|-----------|-------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 118/117 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 116/115 | | | | | | | | | | | | | | | | | .0 | 8 | 8 | | | | |
| 114/113 | | | | | | | | | | | | | | | | | .0 | 26 | 26 | | | | |
| 112/111 | | | | | | | | | | | | | | | | | .1 | 128 | 128 | | | | |
| 110/109 | | | | | | | | | | | | | | | | .0 | .2 | 430 | 430 | | | | |
| 108/107 | | | | | | | | | | | | | | | .0 | .0 | .4 | 920 | 920 | | | | |
| 106/105 | | | | | | | | | | | | .0 | | .0 | .0 | .1 | .8 | 1998 | 1998 | | | | |
| 104/103 | | | | | | | | | | | | | .0 | .0 | .1 | .2 | 1.0 | 2980 | 2980 | | | | |
| 102/101 | | | | | | | | | | | .0 | .0 | .0 | .1 | .2 | .3 | 1.0 | 3958 | 3964 | 10455 | | | |
| 100/ 99 | | | | | | | | | | | .0 | .0 | .1 | .3 | .4 | .3 | .9 | 5058 | 5062 | 15517 | | | |
| 98/ 97 | | | | | | | | | | .0 | .0 | .1 | .3 | .4 | .3 | .3 | .9 | 5691 | 5697 | | | | |
| 96/ 95 | | | | | | | | | .0 | .0 | .1 | .3 | .4 | .4 | .3 | .3 | .9 | 6509 | 6519 | | | | |
| 94/ 93 | | | | | | | | .0 | .0 | .1 | .3 | .4 | .4 | .3 | .3 | .3 | .8 | 6689 | 6700 | | | | |
| 92/ 91 | | | | | | | .0 | .0 | .1 | .2 | .4 | .4 | .3 | .3 | .3 | .4 | .6 | 7077 | 7082 | | | | |
| 90/ 89 | | | | | | .0 | .0 | .0 | .2 | .4 | .4 | .3 | .3 | .3 | .4 | .5 | .4 | 7737 | 7745 | | | | |
| 88/ 87 | | | | | | .0 | .0 | .2 | .3 | .4 | .3 | .3 | .3 | .3 | .4 | .4 | .2 | 7699 | 7710 | | | | |
| 86/ 85 | | | | | .0 | .0 | .1 | .3 | .4 | .4 | .3 | .3 | .4 | .4 | .5 | .3 | .1 | 8479 | 8493 | | | | |
| 84/ 83 | | | | .0 | .0 | .1 | .3 | .4 | .3 | .3 | .3 | .3 | .5 | .4 | .4 | .2 | .0 | 8511 | 8524 | 1 | | | |
| 82/ 81 | | .0 | .0 | .0 | .1 | .3 | .3 | .3 | .2 | .3 | .3 | .4 | .5 | .5 | .3 | .1 | .0 | 8884 | 8900 | 1 | | | |
| 80/ 79 | | .0 | .0 | .1 | .2 | .3 | .3 | .2 | .2 | .3 | .4 | .5 | .6 | .5 | .2 | .0 | .0 | 9336 | 9353 | 50 | | | |
| 78/ 77 | .0 | .0 | .1 | .2 | .2 | .2 | .2 | .2 | .2 | .3 | .5 | .6 | .5 | .3 | .1 | .0 | | 8498 | 8521 | 454 | 4 | | |
| 76/ 75 | .0 | .0 | .2 | .1 | .1 | .1 | .1 | .2 | .3 | .4 | .6 | .7 | .5 | .2 | .0 | .0 | | 8647 | 8662 | 3209 | 45 | | |
| 74/ 73 | .0 | .1 | .1 | .1 | .1 | .1 | .1 | .2 | .3 | .5 | .7 | .6 | .3 | .1 | .0 | | | 8172 | 8188 | 8666 | 312 | | |
| 72/ 71 | .0 | .1 | .1 | .1 | .1 | .1 | .2 | .2 | .4 | .7 | .7 | .5 | .2 | .0 | .0 | | | 8022 | 8041 | 12467 | 1302 | | |
| 70/ 69 | .0 | .0 | .1 | .0 | .1 | .1 | .2 | .4 | .6 | .8 | .7 | .3 | .1 | .0 | .0 | | | 8235 | 8242 | 12649 | 2619 | | |
| 68/ 67 | .0 | .0 | .0 | .0 | .1 | .2 | .3 | .5 | .7 | .8 | .5 | .2 | .0 | .0 | | | | 8169 | 8183 | 10329 | 3652 | | |
| 66/ 65 | .0 | .0 | .0 | .1 | .1 | .2 | .4 | .6 | .8 | .7 | .3 | .1 | .0 | .0 | | | | 8093 | 8104 | 9663 | 5156 | | |
| 64/ 63 | .0 | .0 | .1 | .1 | .2 | .3 | .5 | .7 | .7 | .5 | .2 | .0 | .0 | | | | | 7863 | 7876 | 10235 | 6200 | | |
| 62/ 61 | .0 | .0 | .1 | .1 | .2 | .4 | .6 | .7 | .6 | .3 | .1 | .0 | .0 | | | | | 7956 | 7962 | 1052 | 6528 | | |
| 60/ 59 | .0 | .1 | .1 | .2 | .3 | .5 | .7 | .7 | .5 | .2 | .0 | .0 | | | | | | 8207 | 8216 | 12227 | 6440 | | |
| 58/ 57 | .0 | .1 | .2 | .2 | .4 | .6 | .7 | .6 | .3 | .1 | .0 | .0 | | | | | | 7776 | 7788 | 12608 | 6113 | | |
| 56/ 55 | .0 | .1 | .2 | .3 | .5 | .6 | .6 | .4 | .2 | .0 | .0 | | | | | | | 7729 | 7735 | 14164 | 6195 | | |
| 54/ 53 | .0 | .2 | .3 | .4 | .6 | .6 | .5 | .3 | .1 | .0 | .0 | | | | | | | 7345 | 7355 | 15164 | 6494 | | |
| 52/ 51 | .0 | .2 | .4 | .5 | .6 | .6 | .4 | .2 | .1 | .0 | | | | | | | | 7040 | 7054 | 15588 | 6954 | | |
| Element (X) | Σ X' | | | Σ X | | | X̄ | | | σ _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

ALL

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 50/ 49 | .0 | .3 | .4 | .5 | .6 | .6 | .3 | .1 | .0 | .0 | | | | | | | | 7044 | 7051 | 15714 | 7726 | | |
| 48/ 47 | .0 | .3 | .5 | .5 | .5 | .4 | .2 | .1 | .0 | | | | | | | | | 6446 | 6451 | 14473 | 8303 | | |
| 46/ 45 | .0 | .4 | .5 | .6 | .5 | .3 | .1 | .0 | .0 | | | | | | | | | 5875 | 5881 | 13469 | 10139 | | |
| 44/ 43 | .1 | .4 | .5 | .4 | .4 | .2 | .1 | .0 | | | | | | | | | | 4709 | 4715 | 11795 | 1638 | | |
| 42/ 41 | .1 | .3 | .4 | .4 | .3 | .2 | .0 | .0 | | | | | | | | | | 3925 | 3935 | 9816 | 3041 | | |
| 40/ 39 | .1 | .3 | .4 | .3 | .2 | .1 | .0 | .0 | | | | | | | | | | 3380 | 3382 | 8135 | 1772 | | |
| 38/ 37 | .0 | .3 | .3 | .3 | .2 | .0 | .0 | | | | | | | | | | | 2574 | 2579 | 6427 | 1340 | | |
| 36/ 35 | .0 | .2 | .2 | .2 | .1 | .0 | .0 | | | | | | | | | | | 1884 | 1889 | 4859 | 15554 | | |
| 34/ 33 | .0 | .2 | .2 | .1 | .0 | .0 | | | | | | | | | | | | 1177 | 1181 | 3507 | 14450 | | |
| 32/ 31 | .0 | .1 | .1 | .1 | .0 | .0 | | | | | | | | | | | | 739 | 742 | 2457 | 14140 | | |
| 30/ 29 | .0 | .1 | .1 | .0 | .0 | | | | | | | | | | | | | 498 | 505 | 1602 | 12468 | | |
| 28/ 27 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | | 213 | 217 | 877 | 9149 | | |
| 26/ 25 | | .0 | .0 | .0 | .0 | | | | | | | | | | | | | 129 | 129 | 421 | 9605 | | |
| 24/ 23 | .0 | .0 | .0 | .0 | | | | | | | | | | | | | | 49 | 49 | 262 | 7382 | | |
| 22/ 21 | .0 | .0 | .0 | .0 | | | | | | | | | | | | | | 31 | 31 | 123 | 5857 | | |
| 20/ 19 | | .0 | .0 | .0 | | | | | | | | | | | | | | 8 | 8 | 58 | 3814 | | |
| 18/ 17 | | | .0 | | | | | | | | | | | | | | | 3 | 3 | 26 | 3448 | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | 7 | 2503 | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 2 | 1817 | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 1381 | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 886 | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 786 | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 539 | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 340 | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 192 | | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 106 | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 54 | | |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 55 | | |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 24 | | |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 13 | | |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 6 | | |
| -12/-13 | | | | | | | | | | | | | | | | | | | | | 3 | | |
| -18/-19 | | | | | | | | | | | | | | | | | | | | | 1 | | |
| Element (X) | Σ x ² | | Σ x | | x̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MONTH

ALL

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

43-74

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 84/ 83 | | | | | | | | | | | | | .0 | .0 | .0 | .0 | | 10 | 10 | | | | | |
| 82/ 81 | | | | | | | | | | | | .0 | .0 | .0 | .0 | .0 | | 17 | 17 | | | | | |
| 80/ 79 | | | | | | | | | .0 | | .0 | .0 | .0 | .1 | .0 | | | 28 | 28 | | | | | |
| 78/ 77 | | | | | | | | | .0 | .0 | .0 | .1 | .1 | .0 | .0 | | | 49 | 49 | | | | | |
| 76/ 75 | | | | | | | | .0 | .0 | .1 | .2 | .1 | .1 | .1 | | | | 124 | 124 | | | | | |
| 74/ 73 | | | | | | | | | .1 | .1 | .2 | .3 | .2 | .0 | .0 | | | 170 | 170 | | | | | |
| 72/ 71 | | | | | | .0 | .0 | .0 | .1 | .3 | .5 | .4 | .1 | | | | | 284 | 284 | | | | | |
| 70/ 69 | | | | | .0 | .0 | .0 | .1 | .4 | .5 | .7 | .2 | .0 | | | | | 403 | 403 | | | | | |
| 68/ 67 | | | | .0 | .0 | .0 | .1 | .3 | .7 | .7 | .5 | .2 | .0 | | | | | 496 | 496 | | | | | |
| 66/ 65 | | | .0 | .0 | .0 | .1 | .3 | .5 | .9 | .7 | .4 | .1 | | | | | | 613 | 614 | | | | | |
| 64/ 63 | .0 | | .0 | .0 | .1 | .2 | .6 | .8 | .9 | .7 | .3 | .0 | | | | | | 739 | 739 | 3 | 1 | | | |
| 62/ 61 | .0 | .0 | .0 | .1 | .1 | .5 | 1.0 | 1.0 | .9 | .4 | .1 | | | | | | | 834 | 834 | 25 | 1 | | | |
| 60/ 59 | .0 | .1 | .1 | .2 | .4 | .8 | 1.1 | 1.0 | .9 | .3 | .1 | | | | | | | 969 | 970 | 73 | 10 | | | |
| 58/ 57 | .0 | .1 | .2 | .3 | .8 | 1.1 | 1.0 | 1.0 | .5 | .2 | .0 | | | | | | | 1047 | 1047 | 121 | 54 | | | |
| 56/ 55 | .1 | .1 | .3 | .6 | 1.1 | 1.2 | 1.0 | .9 | .4 | .1 | .0 | | | | | | | 1165 | 1165 | 290 | 64 | | | |
| 54/ 53 | .1 | .3 | .5 | .8 | 1.3 | 1.1 | 1.0 | .6 | .3 | .0 | | | | | | | | 1201 | 1201 | 655 | 69 | | | |
| 52/ 51 | .1 | .5 | .9 | 1.2 | 1.2 | 1.1 | .9 | .3 | .2 | | | | | | | | | 1248 | 1249 | 1187 | 126 | | | |
| 50/ 49 | .1 | .6 | 1.1 | 1.5 | 1.4 | 1.3 | .8 | .2 | .1 | .0 | | | | | | | | 1424 | 1424 | 1695 | 237 | | | |
| 48/ 47 | .1 | 1.1 | 1.4 | 1.7 | 1.4 | 1.0 | .5 | .2 | .0 | | | | | | | | | 1467 | 1467 | 1911 | 351 | | | |
| 46/ 45 | .2 | 1.3 | 1.5 | 1.6 | 1.3 | .7 | .3 | .1 | .0 | | | | | | | | | 1410 | 1410 | 2114 | 562 | | | |
| 44/ 43 | .4 | 1.3 | 1.6 | 1.3 | 1.0 | .6 | .2 | .0 | | | | | | | | | | 1279 | 1279 | 2078 | 958 | | | |
| 42/ 41 | .3 | 1.3 | 1.4 | 1.2 | .8 | .4 | .2 | .0 | | | | | | | | | | 1140 | 1140 | 1972 | 1190 | | | |
| 40/ 39 | .4 | 1.3 | 1.5 | 1.0 | .8 | .3 | .1 | | | | | | | | | | | 1061 | 1061 | 1823 | 1470 | | | |
| 38/ 37 | .2 | 1.0 | 1.2 | 1.0 | .5 | .2 | .0 | | | | | | | | | | | 826 | 826 | 1580 | 1521 | | | |
| 36/ 35 | .3 | 1.2 | .9 | .8 | .3 | .1 | .0 | | | | | | | | | | | 720 | 720 | 1268 | 1729 | | | |
| 34/ 33 | .2 | .7 | .6 | .4 | .2 | .0 | | | | | | | | | | | | 419 | 419 | 1036 | 1611 | | | |
| 32/ 31 | .1 | .6 | .4 | .2 | .2 | .0 | | | | | | | | | | | | 302 | 302 | 754 | 1550 | | | |
| 30/ 29 | .1 | .4 | .2 | .3 | .1 | | | | | | | | | | | | | 229 | 229 | 564 | 1528 | | | |
| 28/ 27 | .0 | .2 | .1 | .2 | .0 | | | | | | | | | | | | | 106 | 106 | 317 | 1200 | | | |
| 26/ 25 | | .1 | .1 | .1 | | | | | | | | | | | | | | 72 | 72 | 168 | 1205 | | | |
| 24/ 23 | .0 | .0 | .1 | .1 | | | | | | | | | | | | | | 36 | 36 | 135 | 982 | | | |
| 22/ 21 | | .0 | .1 | .0 | | | | | | | | | | | | | | 27 | 27 | 82 | 839 | | | |
| 20/ 19 | | .0 | .0 | .0 | | | | | | | | | | | | | | 7 | 7 | 42 | 606 | | | |
| 18/ 17 | | | .0 | | | | | | | | | | | | | | | 3 | 3 | 25 | 472 | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MONTH

ALL

ALL
HOURS (L, S, T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

43-74

FEB

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | |
|------------------------------------|-------------------------------------|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | | | | | | | | | .0 | .0 | 2 | 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | | | .0 | .0 | .0 | 4 | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | .0 | .0 | .0 | .0 | | 16 | 16 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | .0 | .0 | .1 | .1 | .0 | .0 | 49 | 49 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | | | | | | .0 | .1 | .1 | .1 | .1 | .0 | .0 | 87 | 87 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | | .0 | | | | .0 | .1 | .1 | .3 | .3 | .1 | .0 | .0 | 143 | 143 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | | | | | | | .1 | .1 | .3 | .3 | .3 | .0 | .1 | .0 | 203 | 203 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 76/ 75 | | | | | | | | | .1 | .2 | .2 | .5 | .3 | .2 | .0 | .0 | | 282 | 282 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | | | .0 | .2 | .3 | .6 | .6 | .5 | .1 | .0 | | | 392 | 392 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | .0 | .0 | .1 | .3 | .5 | .8 | .6 | .3 | .1 | .0 | | | 456 | 456 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 70/ 69 | | | | | .0 | .0 | .1 | .4 | .4 | .8 | .8 | .5 | .2 | .0 | .0 | | | 583 | 583 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 68/ 67 | | | | | .0 | .1 | .4 | .5 | .8 | .9 | .8 | .4 | .1 | .0 | | | | 705 | 705 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 66/ 65 | | | | .0 | .1 | .3 | .4 | .7 | 1.0 | .9 | .6 | .3 | .1 | | | | | 754 | 755 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 64/ 63 | | | | .1 | .2 | .5 | .7 | 1.0 | 1.1 | .6 | .5 | .1 | .0 | | | | | 838 | 839 | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 62/ 61 | | | .0 | .1 | .4 | .7 | .9 | 1.0 | .9 | .6 | .3 | .1 | .0 | | | | | 888 | 890 | 26 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 60/ 59 | .0 | .0 | .1 | .3 | .6 | .9 | 1.0 | 1.2 | .8 | .6 | .2 | .0 | | | | | | 995 | 996 | 103 | 1 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 58/ 57 | | .1 | .3 | .6 | .7 | .9 | 1.2 | 1.0 | .6 | .3 | .1 | .0 | | | | | | 1049 | 1057 | 284 | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 56/ 55 | .0 | .3 | .6 | .7 | 1.0 | 1.2 | 1.1 | .8 | .5 | .2 | .0 | | | | | | | 1131 | 1133 | 678 | 29 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/ 53 | .0 | .3 | .6 | 1.0 | 1.2 | 1.2 | 1.0 | .6 | .3 | .0 | .0 | | | | | | | 1115 | 1123 | 1109 | 79 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | .0 | .5 | .9 | .9 | 1.3 | 1.0 | .7 | .4 | .2 | .0 | | | | | | | | 1065 | 1074 | 1393 | 199 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | .0 | .7 | 1.0 | 1.3 | 1.3 | 1.1 | .6 | .4 | .0 | | | | | | | | | 1135 | 1139 | 1745 | 296 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | .1 | 1.0 | 1.2 | 1.4 | 1.3 | .8 | .5 | .2 | .0 | | | | | | | | | 1142 | 1147 | 1852 | 537 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | .1 | 1.1 | 1.1 | 1.5 | .9 | .6 | .4 | .1 | .0 | | | | | | | | | 999 | 1004 | 1914 | 722 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | .1 | .8 | 1.3 | 1.2 | .8 | .6 | .3 | .0 | | | | | | | | | | 881 | 886 | 1849 | 883 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | .1 | .9 | .9 | .9 | .5 | .5 | .1 | .0 | | | | | | | | | | 689 | 699 | 1556 | 986 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | .1 | .8 | 1.0 | .9 | .5 | .3 | .0 | .0 | | | | | | | | | | 622 | 624 | 1376 | 1103 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | .1 | .6 | .8 | .6 | .5 | .1 | .0 | | | | | | | | | | | 458 | 463 | 1071 | 1218 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 36/ 35 | .1 | .4 | .5 | .5 | .3 | .0 | | | | | | | | | | | | 322 | 327 | 830 | 1540 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | .1 | .3 | .4 | .4 | .2 | .0 | | | | | | | | | | | | 236 | 240 | 625 | 1289 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | .0 | .3 | .3 | .2 | .1 | | | | | | | | | | | | | 146 | 149 | 442 | 1378 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 30/ 29 | .0 | .2 | .2 | .1 | .0 | | | | | | | | | | | | | 106 | 113 | 322 | 1251 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 28/ 27 | | .1 | .2 | .0 | .0 | | | | | | | | | | | | | 47 | 51 | 201 | 867 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 26/ 25 | | .0 | .0 | .0 | .0 | | | | | | | | | | | | | 22 | 22 | 105 | 1020 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ x ² | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

43-74

FEA
MONTH

YEARS

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ALL
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-45, 47-74

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|--------------------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point | |
| 94/ 93 | | | | | | | | | | | | | | | | | .0 | 2 | 2 | | | |
| 92/ 91 | | | | | | | | | | | | | | | | | .1 | 1 | 11 | | | |
| 90/ 89 | | | | | | | | | | | | | | .0 | | .0 | .1 | .1 | 40 | 40 | | |
| 88/ 87 | | | | | | | | | | | | .0 | .0 | .0 | .1 | .2 | .1 | .1 | 83 | 83 | | |
| 86/ 85 | | | | | | | | | | | | | .0 | .1 | .2 | .3 | .1 | .1 | 152 | 152 | | |
| 84/ 83 | | | | | | | | | | | .0 | .0 | .1 | .3 | .4 | .3 | .0 | .0 | 219 | 219 | | |
| 82/ 81 | | | | | | | | | | | .0 | .1 | .3 | .6 | .5 | .2 | .0 | .0 | 369 | 369 | | |
| 80/ 79 | | | | | | | | .0 | .0 | .0 | .1 | .3 | .6 | .9 | .4 | .1 | | | 499 | 499 | | |
| 78/ 77 | | | | | | | .0 | .0 | .0 | .1 | .3 | .7 | .9 | .7 | .2 | | | | 577 | 577 | | |
| 76/ 75 | | | | | | | | .1 | .2 | .6 | 1.0 | .9 | .5 | .1 | | | | | 689 | 689 | | |
| 74/ 73 | | | | | | .0 | | .0 | .2 | .5 | .8 | 1.2 | .7 | .3 | .0 | | | | 763 | 763 | | |
| 72/ 71 | | | | | .0 | | .0 | .2 | .4 | .8 | 1.1 | .9 | .5 | .1 | .0 | | | | 816 | 816 | | |
| 70/ 69 | | | | | | .0 | .1 | .4 | .8 | 1.2 | 1.1 | .7 | .2 | .0 | | | | | 921 | 921 | | |
| 68/ 67 | | | | | .0 | .1 | .4 | .5 | 1.2 | 1.1 | 1.0 | .5 | .1 | .0 | | | | | 964 | 964 | 1 | |
| 66/ 65 | .0 | | | .0 | .0 | .2 | .5 | .8 | 1.3 | 1.0 | .7 | .3 | .0 | | | | | | 982 | 984 | 5 | |
| 64/ 63 | | | .0 | .0 | .2 | .5 | .8 | 1.2 | 1.2 | .8 | .4 | .1 | .0 | | | | | | 1035 | 1035 | 14 | |
| 62/ 61 | | | .0 | .2 | .4 | .7 | 1.0 | 1.1 | 1.1 | .8 | .3 | .0 | | | | | | | 1125 | 1125 | 42 | |
| 60/ 59 | .0 | .1 | .0 | .2 | .5 | 1.0 | 1.3 | 1.3 | .9 | .4 | .1 | | | | | | | | 1192 | 1192 | 246 | |
| 58/ 57 | .0 | .1 | .2 | .4 | .8 | 1.2 | 1.2 | 1.3 | .6 | .3 | .0 | | | | | | | | 1227 | 1227 | 662 | |
| 56/ 55 | | .2 | .4 | .6 | 1.1 | 1.2 | 1.4 | .8 | .5 | .1 | | | | | | | | | 1284 | 1287 | 1283 | |
| 54/ 53 | .0 | .2 | .4 | 1.0 | 1.2 | 1.2 | 1.1 | .7 | .3 | .0 | | | | | | | | | 1237 | 1237 | 1947 | |
| 52/ 51 | .0 | .2 | .7 | 1.1 | 1.1 | 1.1 | .9 | .4 | .1 | | | | | | | | | | 1158 | 1159 | 2170 | |
| 50/ 49 | .0 | .3 | 1.1 | 1.2 | 1.2 | 1.1 | .6 | .3 | .0 | | | | | | | | | | 1151 | 1151 | 2299 | |
| 48/ 47 | .0 | .6 | 1.1 | 1.0 | 1.0 | .8 | .3 | .1 | .0 | | | | | | | | | | 1007 | 1007 | 2268 | |
| 46/ 45 | .0 | .8 | .9 | 1.1 | .8 | .6 | .2 | .1 | | | | | | | | | | | 888 | 888 | 2301 | |
| 44/ 43 | .1 | .6 | .6 | .6 | .5 | .3 | .1 | .0 | | | | | | | | | | | 551 | 551 | 1983 | |
| 42/ 41 | .1 | .4 | .6 | .4 | .4 | .2 | .0 | | | | | | | | | | | | 404 | 404 | 1630 | |
| 40/ 39 | .0 | .3 | .4 | .4 | .2 | .1 | | | | | | | | | | | | | 276 | 276 | 1196 | |
| 38/ 37 | .0 | .4 | .2 | .3 | .1 | .0 | | | | | | | | | | | | | 204 | 204 | 819 | |
| 36/ 35 | .0 | .1 | .2 | .1 | .1 | .0 | | | | | | | | | | | | | 104 | 104 | 532 | |
| 34/ 33 | .0 | .1 | .1 | .1 | .0 | | | | | | | | | | | | | | 68 | 68 | 293 | |
| 32/ 31 | .0 | .0 | .1 | .0 | .0 | | | | | | | | | | | | | | 26 | 26 | 193 | |
| 30/ 29 | | .0 | .0 | .0 | .0 | | | | | | | | | | | | | | 6 | 6 | 88 | |
| 28/ 27 | | .0 | | .0 | | | | | | | | | | | | | | | 5 | 5 | 47 | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_X | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

PAGE 2

ALL

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OLA) JUL 64

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 102/101 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 100/ 99 | | | | | | | | | | | | | | | | | | .0 | 3 | 3 | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | | .2 | 51 | 51 | | | | |
| 96/ 95 | | | | | | | | | | | | .0 | .0 | .0 | .0 | .0 | .6 | 131 | 131 | | | | | |
| 94/ 93 | | | | | | | | | | | | | .0 | .1 | .0 | .1 | .8 | 199 | 200 | | | | | |
| 92/ 91 | | | | | | | | | | | | | .0 | .0 | .1 | .4 | 1.0 | 318 | 318 | | | | | |
| 90/ 89 | | | | | | | | | | | .0 | .0 | .0 | .1 | .2 | .7 | .9 | 427 | 427 | | | | | |
| 88/ 87 | | | | | | | | | | | .0 | .0 | .1 | .3 | .6 | 1.1 | .6 | 533 | 533 | | | | | |
| 86/ 85 | | | | | | | | | | .0 | .0 | .0 | .2 | .6 | .9 | 1.0 | .4 | 651 | 651 | | | | | |
| 84/ 83 | | | | | | | | | .0 | .0 | .1 | .2 | .6 | 1.0 | 1.1 | .8 | .3 | 828 | 828 | | | | | |
| 82/ 81 | | | | | | | | .0 | .0 | .0 | .1 | .5 | .8 | 1.1 | 1.1 | .3 | .1 | 838 | 838 | | | | | |
| 80/ 79 | | | | | | | | .0 | .0 | .1 | .3 | .8 | 1.3 | 1.4 | .7 | .2 | .0 | 963 | 964 | | | | | |
| 78/ 77 | | | | | | | | .0 | .1 | .3 | .7 | 1.1 | 1.2 | 1.0 | .2 | .1 | | 958 | 958 | | | | | |
| 76/ 75 | | | | | | | .0 | .1 | .2 | .5 | 1.1 | 1.3 | 1.3 | .5 | .1 | | | 1031 | 1031 | | | | | |
| 74/ 73 | | | | | | .0 | .0 | .1 | .4 | .9 | 1.3 | 1.2 | .9 | .2 | .1 | | | 1031 | 1031 | 2 | | | | |
| 72/ 71 | | | | | .0 | .0 | .1 | .3 | .7 | 1.1 | 1.4 | 1.2 | .4 | .1 | | | | 1055 | 1055 | 6 | | | | |
| 70/ 69 | | | | | .0 | .1 | .2 | .4 | 1.1 | 1.3 | 1.4 | .8 | .2 | .0 | | | | 1127 | 1127 | 21 | | | | |
| 68/ 67 | | | | .0 | .1 | .2 | .3 | .8 | 1.1 | 1.4 | 1.2 | .5 | .1 | | | | | 1138 | 1138 | 48 | | | | |
| 66/ 65 | | | .0 | .1 | .1 | .2 | .5 | 1.1 | 1.5 | 1.4 | .6 | .1 | .0 | | | | | 1108 | 1108 | 74 | | | | |
| 64/ 63 | | | .0 | .1 | .1 | .4 | .7 | 1.3 | 1.4 | 1.1 | .4 | .1 | | | | | | 1127 | 1127 | 194 | | | | |
| 62/ 61 | | .0 | .1 | .1 | .3 | .6 | 1.1 | 1.4 | 1.4 | .6 | .1 | .0 | | | | | | 1132 | 1133 | 625 | | | | |
| 60/ 59 | | .0 | .1 | .2 | .3 | .9 | 1.2 | 1.4 | .9 | .3 | .1 | | | | | | | 1119 | 1119 | 1291 | | | | |
| 58/ 57 | | .0 | .2 | .3 | .5 | .8 | 1.2 | 1.2 | .6 | .0 | .0 | | | | | | | 975 | 975 | 1737 | | | | |
| 56/ 55 | | .1 | .2 | .4 | .6 | .9 | 1.0 | .7 | .3 | .0 | | | | | | | | 847 | 847 | 2274 | | | | |
| 54/ 53 | | .1 | .3 | .3 | .6 | .8 | .8 | .4 | .1 | .0 | | | | | | | | 669 | 669 | 2442 | | | | |
| 52/ 51 | .0 | .2 | .3 | .3 | .5 | .7 | .6 | .3 | .0 | | | | | | | | | 606 | 606 | 2461 | | | | |
| 50/ 49 | .0 | .1 | .4 | .3 | .5 | .6 | .4 | .1 | .0 | | | | | | | | | 485 | 485 | 2335 | | | | |
| 48/ 47 | .0 | .1 | .3 | .2 | .3 | .4 | .2 | .0 | | | | | | | | | | 317 | 317 | 2024 | | | | |
| 46/ 45 | | .1 | .2 | .2 | .2 | .3 | .1 | .0 | | | | | | | | | | 225 | 225 | 1718 | | | | |
| 44/ 43 | .0 | .1 | .1 | .1 | .2 | .1 | .0 | .0 | | | | | | | | | | 120 | 120 | 1118 | | | | |
| 42/ 41 | .0 | .1 | .1 | .1 | .1 | .0 | .0 | | | | | | | | | | | 75 | 75 | 756 | | | | |
| 40/ 39 | .0 | .0 | .0 | .0 | .1 | .0 | | | | | | | | | | | | 37 | 37 | 488 | | | | |
| 38/ 37 | .0 | | .0 | .0 | .0 | .0 | | | | | | | | | | | | 10 | 10 | 291 | | | | |
| 36/ 35 | | | .0 | .0 | .0 | | | | | | | | | | | | | 7 | 7 | 135 | | | | |
| Element (X) | Σ X' | | | Σ X | | | X̄ | | | s _x | | | No. Gts. | | | Mean No. of Hours with Temperature | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MONTH

ALL

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

42-74

14Y

STATION

STATION NAME

YEARS

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ALL

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 110/109 | | | | | | | | | | | | | | | | | | .0 | 7 | 7 | | | | |
| 103/107 | | | | | | | | | | | | | | | | | | .1 | 18 | 18 | | | | |
| 106/105 | | | | | | | | | | | | | | | | | | .2 | 48 | 48 | | | | |
| 104/103 | | | | | | | | | | | | | | | | | | .4 | 84 | 84 | | | | |
| 102/101 | | | | | | | | | | | | | | | | | | .7 | 152 | 152 | | | | |
| 100/99 | | | | | | | | | | | | | | | .0 | .0 | 1.4 | 294 | 294 | | | | | |
| 98/97 | | | | | | | | | | | | | | .0 | .0 | .1 | 2.4 | 532 | 532 | | | | | |
| 96/95 | | | | | | | | | | | | | | .0 | .1 | .2 | 3.2 | 739 | 739 | | | | | |
| 94/93 | | | | | | | | | | | | | .0 | .1 | .2 | .6 | 3.5 | 945 | 945 | | | | | |
| 92/91 | | | | | | | | | | | .0 | .0 | .1 | .2 | .5 | 1.1 | 3.0 | 996 | 996 | | | | | |
| 90/89 | | | | | | | | | | | .0 | .0 | .1 | .4 | 1.0 | 1.6 | 2.2 | 1137 | 1139 | | | | | |
| 88/87 | | | | | | | | | | | .0 | .1 | .3 | .7 | 1.4 | 1.6 | .9 | 1052 | 1053 | | | | | |
| 86/85 | | | | | | | | | .0 | .0 | .1 | .2 | .6 | 1.1 | 1.7 | 1.9 | .3 | 1074 | 1075 | | | | | |
| 84/83 | | | | | | | | .0 | .0 | .0 | .1 | .4 | 1.0 | 1.3 | 1.3 | .6 | .2 | 1062 | 1062 | | | | | |
| 82/81 | | .0 | | | | | | .0 | .0 | .1 | .3 | .8 | 1.5 | .5 | .8 | .2 | .1 | 1125 | 1126 | | | | | |
| 80/79 | | | | | | | | .0 | .1 | .2 | .6 | 1.1 | 1.6 | 1.2 | .5 | .1 | .0 | 1160 | 1161 | 1 | | | | |
| 78/77 | .0 | | | | | | .0 | .0 | .0 | .2 | .3 | 1.0 | 1.3 | 1.4 | .8 | .2 | .0 | 1100 | 1106 | 1 | | | | |
| 76/75 | | | .0 | | | | .0 | .0 | .1 | .2 | .7 | 1.3 | 1.5 | 1.1 | .3 | .1 | | 1121 | 1124 | 2 | | | | |
| 74/73 | | | | | .0 | .0 | .1 | .2 | .4 | 1.0 | 1.4 | 1.3 | .6 | .1 | .0 | | | 1067 | 1072 | 2 | | | | |
| 72/71 | | | .0 | | .0 | .0 | .1 | .3 | .7 | 1.4 | 1.6 | 1.0 | .2 | .0 | | | | 1127 | 1134 | 5 | | | | |
| 70/69 | | | .0 | .0 | .0 | .1 | .1 | .3 | 1.0 | 1.6 | 1.3 | .6 | .1 | .0 | | | | 1093 | 1096 | 1 | | | | |
| 68/67 | | .0 | .0 | .0 | .0 | .1 | .2 | .7 | 1.2 | 1.5 | .9 | .2 | .0 | | | | | 1049 | 1057 | 191 | | | | |
| 66/65 | | .0 | .0 | .0 | .1 | .1 | .4 | .8 | 1.5 | 1.1 | .5 | .1 | | | | | | 1062 | 1066 | 518 | | | | |
| 64/63 | | .0 | .0 | .0 | .1 | .1 | .5 | 1.0 | 1.0 | .7 | .2 | .0 | | | | | | 776 | 783 | 1292 | | | | |
| 62/61 | | .0 | .1 | .0 | .1 | .2 | .6 | .8 | .7 | .5 | .1 | .0 | | | | | | 663 | 665 | 2159 | | | | |
| 60/59 | | .0 | .1 | .1 | .2 | .3 | .5 | .7 | .6 | .3 | .0 | | | | | | | 543 | 548 | 2654 | | | | |
| 58/57 | | .0 | .0 | .1 | .1 | .3 | .3 | .4 | .4 | .1 | .0 | | | | | | | 373 | 376 | 2714 | | | | |
| 56/55 | | .0 | .1 | .1 | .1 | .2 | .3 | .3 | .2 | .0 | | | | | | | | 272 | 273 | 2568 | | | | |
| 54/53 | | .0 | .1 | .1 | .1 | .1 | .2 | .2 | .0 | | | | | | | | | 170 | 171 | 2377 | | | | |
| 52/51 | | .1 | .0 | .1 | .1 | .0 | .1 | .1 | .0 | | | | | | | | | 122 | 126 | 2104 | | | | |
| 50/49 | | .0 | .0 | .1 | .1 | .1 | .1 | .0 | .0 | | | | | | | | | 70 | 72 | 1680 | | | | |
| 48/47 | | .0 | .0 | .0 | .0 | .1 | .1 | .1 | .0 | | | | | | | | | 46 | 46 | 1115 | | | | |
| 46/45 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | 15 | 15 | 695 | | | | |
| 44/43 | | .0 | | | .0 | .0 | .0 | | | | | | | | | | | 11 | 11 | 434 | | | | |
| Elevation (X) | Σ X ² | | Σ X | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 47 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

0.25-3 (C) A

DISAPPEAR

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 2

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-----|-----|-------|-------|------|----------|----------|--------------------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25 | 26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | | Dew Point | | |
| 42/ 41 | | | | | .0 | .0 | | | | | | | | | | | | | 3 | 3 | 238 | 1308 | | |
| 40/ 39 | | | | | | .0 | | | | | | | | | | | | | 2 | 2 | 124 | 1652 | | |
| 38/ 37 | | | | | .0 | | | | | | | | | | | | | | 2 | 2 | 56 | 1858 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 31 | 2070 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 10 | 2198 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 2 | 2005 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 | 1625 | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | 1208 | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | 1151 | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | 851 | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 621 | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 354 | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 305 | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 214 | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 142 | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | 93 | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | 42 | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | 37 | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | 25 | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | 7 | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | | 1 | | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | | 3 | | |
| TOTAL | .0 | .3 | | .6 | 1.0 | 1.8 | 3.7 | 5.9 | 8.2 | 9.3 | 9.7 | 8.9 | 8.7 | 7.7 | 7.7 | 7.2 | 18.5 | | 21054 | 21119 | 21054 | 21053 | | |
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USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

42-74

YEARS

JUN

PAGE 1

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|------|----------|----------|-----------|--------------------|--------|--|--|--------|--|--|--------|--|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | |
| 118/117 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | | | | | | | | | | |
| 116/115 | | | | | | | | | | | | | | | | | | .0 | 4 | 4 | | | | | | | | | | | | | |
| 114/113 | | | | | | | | | | | | | | | | | | .0 | 10 | 10 | | | | | | | | | | | | | |
| 112/111 | | | | | | | | | | | | | | | | | | .3 | 58 | 58 | | | | | | | | | | | | | |
| 110/109 | | | | | | | | | | | | | | | | | | .9 | 190 | 190 | | | | | | | | | | | | | |
| 108/107 | | | | | | | | | | | | | | | | .0 | | 1.4 | 291 | 291 | | | | | | | | | | | | | |
| 106/105 | | | | | | | | | | | | | | | | | .0 | 2.4 | 501 | 501 | | | | | | | | | | | | | |
| 104/103 | | | | | | | | | | | | | .0 | .0 | .0 | .1 | | 3.5 | 734 | 734 | | | | | | | | | | | | | |
| 102/101 | | | | | | | | | | | | .0 | .0 | .0 | .0 | .2 | | 4.2 | 932 | 932 | | | | | | | | | | | | | |
| 100/ 99 | | | | | | | | | | | | | .0 | .1 | .1 | .6 | | 4.2 | 1026 | 1026 | | | | | | | | | | | | | |
| 98/ 97 | | | | | | | | | | | .0 | .0 | .0 | .2 | .3 | .8 | | 4.1 | 1133 | 1133 | | | | | | | | | | | | | |
| 96/ 95 | | | | | | | | | | | .0 | .0 | .2 | .3 | .6 | .9 | | 3.8 | 1202 | 1202 | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | .0 | .0 | .2 | .3 | .4 | .7 | 1.2 | | 2.8 | 1135 | 1135 | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | .0 | .0 | .1 | .2 | .3 | .7 | 1.0 | 1.4 | | 1.8 | 1133 | 1133 | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | .0 | .0 | .1 | .2 | .3 | .5 | .8 | 1.2 | 1.6 | | .8 | 1167 | 1167 | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | .0 | .1 | .2 | .3 | .4 | .7 | 1.1 | 1.4 | .9 | | .3 | 1082 | 1082 | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | .0 | .0 | .2 | .3 | .4 | .6 | 1.1 | 1.4 | 1.2 | .4 | | .1 | 1195 | 1195 | | | | | | | | | | | | | |
| 84/ 83 | | | | | | .0 | .0 | .1 | .2 | .3 | .5 | .8 | 1.3 | 1.0 | .8 | .1 | | .0 | 1067 | 1067 | | | | | | | | | | | | | |
| 82/ 81 | | | | | .0 | .0 | .1 | .1 | .2 | .4 | .6 | 1.1 | 1.4 | .9 | .4 | .0 | | .0 | 1102 | 1102 | | | | | | | | | | | | | |
| 80/ 79 | | | | | .0 | .1 | .1 | .1 | .2 | .5 | .9 | 1.3 | 1.3 | .7 | .1 | .0 | | | 1098 | 1098 | 4 | | | | | | | | | | | | |
| 78/ 77 | | .0 | .0 | .0 | .1 | .1 | .1 | .1 | .2 | .5 | 1.0 | 1.4 | .9 | .2 | .0 | | | | 963 | 963 | 10 | | | | | | | | | | | | |
| 76/ 75 | | | .1 | .0 | .0 | .0 | .0 | .0 | .2 | .3 | .7 | 1.3 | 1.3 | .5 | .1 | .0 | | | 933 | 933 | 42 | | | | | | | | | | | | |
| 74/ 73 | | .0 | .0 | .0 | .1 | .0 | .1 | .1 | .4 | .8 | 1.3 | 1.0 | .3 | .0 | | | | | 851 | 851 | 171 | | | | | | | | | | | | |
| 72/ 71 | | .0 | .0 | .0 | .0 | .0 | .1 | .2 | .4 | 1.0 | 1.1 | .5 | .1 | .0 | | | | | 740 | 740 | 530 | | | | | | | | | | | | |
| 70/ 69 | | | .0 | .1 | .0 | .0 | .1 | .2 | .6 | 1.0 | .8 | .3 | .0 | | | | | | 635 | 635 | 1170 | | | | | | | | | | | | |
| 68/ 67 | | .0 | .0 | .0 | .0 | .0 | .1 | .2 | .7 | .8 | .4 | .1 | .0 | | | | | | 478 | 478 | 1683 | | | | | | | | | | | | |
| 66/ 65 | | .0 | .0 | .0 | .0 | .0 | .1 | .3 | .5 | .6 | .2 | .0 | | | | | | | 364 | 364 | 2175 | | | | | | | | | | | | |
| 64/ 63 | | .0 | .0 | .0 | .0 | .0 | .0 | .2 | .4 | .3 | .1 | | | | | | | | 226 | 226 | 2582 | | | | | | | | | | | | |
| 62/ 61 | | .0 | .0 | .0 | .0 | .0 | .1 | .2 | .3 | .1 | .0 | | | | | | | | 142 | 142 | 2642 | | | | | | | | | | | | |
| 60/ 59 | .0 | | | .0 | .0 | .0 | .1 | .1 | .1 | .0 | | | | | | | | | 79 | 79 | 2468 | | | | | | | | | | | | |
| 58/ 57 | | | | .0 | .0 | .0 | .0 | .1 | .1 | .0 | | | | | | | | | 38 | 38 | 1993 | | | | | | | | | | | | |
| 56/ 55 | | | | | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | 10 | 10 | 1659 | | | | | | | | | | | | |
| 54/ 53 | | | | | .0 | | .0 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | .0 | .0 | .0 | | | | | | | | | | 6 | 6 | 1259 | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | 952 | 798 | | | | | | | | | | | | |
| Element (X) | Σ x² | | | Σ x | | | x̄ | | | s _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | ≥ 0 F | | | ≥ 32 F | | | ≥ 67 F | | | ≥ 73 F | | | ≥ 80 F | | | ≥ 93 F | | | Total | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

YEARS

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ALL

HOURS (L. S. T.)

USAFETAC
FORM 0.26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUL

STATION

STATION NAME

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MONTH

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ALL

HOURS (L. S. T.)

| Temp. (F) | WEY BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-----|--------|-------|--------|-------|--------|------|----------|----------|--------------------|-----------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19 | 20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | | Dew Point | | |
| 116/115 | | | | | | | | | | | | | | | | | | | .0 | 4 | 4 | | | |
| 114/113 | | | | | | | | | | | | | | | | | | | .1 | 11 | 11 | | | |
| 112/111 | | | | | | | | | | | | | | | | | | | .2 | 50 | 50 | | | |
| 110/109 | | | | | | | | | | | | | | | | | | .0 | .8 | 172 | 172 | | | |
| 108/107 | | | | | | | | | | | | | | | | .0 | .0 | 2.0 | 421 | 421 | | | | |
| 106/105 | | | | | | | | | | | | | .0 | | .0 | .1 | .4 | 3.5 | 843 | 843 | | | | |
| 104/103 | | | | | | | | | | | | | .0 | .0 | .1 | .4 | 1.1 | 3.5 | 1063 | 1063 | | | | |
| 102/101 | | | | | | | | | | | | .0 | .0 | .1 | .4 | 1.3 | 1.6 | 2.7 | 1294 | 1300 | | | | |
| 100/ 99 | | | | | | | | | | | | .0 | .1 | .5 | 1.6 | 1.8 | 1.3 | 1.8 | 1483 | 1485 | | | | |
| 93/ 97 | | | | | | | | | | .0 | .0 | .4 | 1.3 | .7 | 1.5 | .9 | 1.1 | 1445 | 1447 | | | | | |
| 96/ 95 | | | | | | | | | | .0 | .3 | 1.3 | 1.9 | 1.5 | 1.0 | .5 | .6 | 1503 | 1504 | | | | | |
| 94/ 93 | | | | | | | | | .0 | .0 | .2 | 1.1 | 1.6 | 1.4 | 1.0 | .5 | .3 | .3 | 1384 | 1386 | | | | |
| 92/ 91 | | | | | | | | .0 | .0 | .2 | .9 | 1.7 | 1.7 | 1.0 | .7 | .3 | .2 | .1 | 1433 | 1433 | | | | |
| 90/ 89 | | | | | | | | .0 | .1 | .7 | 1.7 | 1.8 | 1.0 | .7 | .5 | .3 | .1 | .0 | 1431 | 1433 | | | | |
| 88/ 87 | | | | | | .0 | .1 | .5 | 1.4 | 1.7 | 1.2 | .8 | .5 | .3 | .2 | .1 | .0 | .0 | 1417 | 1418 | | | | |
| 86/ 85 | | | | | | .1 | .6 | 1.3 | 1.6 | 1.4 | .8 | .7 | .5 | .3 | .1 | .0 | .0 | .0 | 1575 | 1578 | | | | |
| 84/ 83 | | | | | .1 | .6 | .9 | 1.5 | 1.2 | .7 | .6 | .4 | .4 | .1 | .0 | .0 | .0 | .0 | 1364 | 1365 | 1 | | | |
| 82/ 81 | | | | .0 | .4 | 1.0 | 1.2 | 1.3 | .6 | .6 | .4 | .3 | .3 | .1 | .0 | .0 | .0 | .0 | 1309 | 1311 | 1 | | | |
| 80/ 79 | | | .1 | .5 | .9 | .9 | .8 | .5 | .4 | .3 | .3 | .3 | .2 | .0 | .0 | .0 | .0 | .0 | 1085 | 1086 | 23 | | | |
| 78/ 77 | | .0 | .4 | .9 | .7 | .4 | .2 | .2 | .2 | .2 | .2 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | 734 | 734 | 149 | 1 | | |
| 76/ 75 | .0 | .1 | .5 | .5 | .3 | .1 | .1 | .1 | .2 | .2 | .3 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 519 | 520 | 1182 | 10 | | |
| 74/ 73 | | .2 | .3 | .1 | .0 | .0 | .0 | .0 | .1 | .1 | .1 | .1 | .0 | .0 | .0 | .0 | .0 | .0 | 229 | 229 | 3510 | 90 | | |
| 72/ 71 | .0 | .2 | .1 | .0 | | .0 | .0 | .0 | .1 | .1 | .1 | .0 | | | | | | | 130 | 130 | 4808 | 397 | | |
| 70/ 69 | .0 | .0 | .0 | | .0 | | .0 | .0 | .0 | .1 | .0 | | | | | | | | 47 | 47 | 4309 | 871 | | |
| 69/ 67 | | | | | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | 13 | 13 | 2672 | 1119 | | |
| 66/ 65 | | | | | | | | | .0 | .0 | | | | | | | | | 3 | 3 | 1589 | 1592 | | |
| 64/ 63 | | | | | | | | | .0 | | | | | | | | | | 1 | 1 | 1044 | 2215 | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 665 | 2316 | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 412 | 2220 | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 265 | 1869 | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 177 | 1548 | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 90 | 1307 | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 49 | 1082 | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 17 | 860 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

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| 23104 | WILLIAMS AFB ARIZONA/CHANDLER | 42-74 |
| STATION | STATION NAME | |

YEARS

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ALL

HOURS (L, S, T.)

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAL

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

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ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 114/113 | | | | | | | | | | | | | | | | | | .0 | 3 | 3 | | | | |
| 112/111 | | | | | | | | | | | | | | | | | | .0 | 8 | 8 | | | | |
| 110/109 | | | | | | | | | | | | | | | | | | .2 | 37 | 37 | | | | |
| 108/107 | | | | | | | | | | | | | | | | | .0 | .6 | 121 | 121 | | | | |
| 106/105 | | | | | | | | | | | | | | | | .0 | .2 | 1.7 | 408 | 408 | | | | |
| 104/103 | | | | | | | | | | | | | | | .1 | .4 | .8 | 2.1 | 713 | 713 | | | | |
| 102/101 | | | | | | | | | | | | .0 | .1 | .7 | 1.2 | 1.1 | 1.7 | 1005 | 1005 | | | | | |
| 100/ 99 | | | | | | | | | | | | .1 | .8 | 1.7 | 1.4 | 1.0 | 1.3 | 1346 | 1347 | | | | | |
| 98/ 97 | | | | | | | | | | .0 | .1 | .8 | 1.7 | 1.6 | 1.1 | .6 | .8 | 1459 | 1463 | | | | | |
| 96/ 95 | | | | | | | | | .0 | .1 | .8 | 1.7 | 1.8 | 1.2 | .7 | .3 | .4 | 1505 | 1508 | | | | | |
| 94/ 93 | | | | | | | | .0 | .1 | .6 | 1.6 | 1.9 | 1.4 | .7 | .4 | .2 | .2 | 1515 | 1518 | | | | | |
| 92/ 91 | | | | | | | | .1 | .4 | 1.2 | 1.8 | 1.3 | .8 | .5 | .3 | .1 | .1 | 1426 | 1427 | | | | | |
| 90/ 89 | | | | | | .0 | .0 | .3 | 1.4 | 1.8 | 1.7 | .9 | .5 | .3 | .2 | .1 | .0 | 1538 | 1542 | | | | | |
| 88/ 87 | | | | | | .0 | .3 | 1.0 | 1.8 | 1.5 | .9 | .6 | .3 | .2 | .1 | .0 | .0 | 1456 | 1461 | | | | | |
| 86/ 85 | | | | | .0 | .3 | .9 | 1.6 | 1.8 | 1.1 | .6 | .5 | .3 | .1 | .0 | .0 | | 1524 | 1529 | | | | | |
| 84/ 83 | | | | .0 | .2 | .9 | 1.6 | 1.8 | 1.1 | .7 | .5 | .3 | .1 | .1 | .0 | | | 1547 | 1555 | | | | | |
| 82/ 81 | | | .0 | .1 | .7 | 1.5 | 1.7 | 1.3 | .8 | .5 | .3 | .2 | .1 | .0 | .0 | | | 1528 | 1535 | | | | | |
| 80/ 79 | | .0 | .1 | .7 | 1.4 | 1.5 | 1.1 | .8 | .5 | .4 | .3 | .1 | .1 | .0 | .0 | | | 1509 | 1515 | 22 | | | | |
| 78/ 77 | | .1 | .5 | 1.1 | .9 | .7 | .5 | .4 | .3 | .3 | .2 | .1 | .0 | | | | | 1060 | 1069 | 276 | | | | |
| 76/ 75 | .0 | .3 | 1.0 | .7 | .3 | .3 | .3 | .3 | .3 | .2 | .1 | .0 | .0 | | | | | 825 | 826 | 1791 | | | | |
| 74/ 73 | .0 | .5 | .5 | .3 | .1 | .1 | .1 | .2 | .1 | .1 | .0 | | | | | | | 455 | 457 | 4092 | | | | |
| 72/ 71 | .1 | .3 | .2 | .1 | .1 | .0 | .1 | .1 | .1 | .1 | .0 | | | | | | | 243 | 247 | 5122 | | | | |
| 70/ 69 | .0 | .1 | .1 | .0 | .0 | | .0 | .1 | .1 | .1 | .0 | .0 | | | | | | 103 | 103 | 4099 | | | | |
| 68/ 67 | .0 | .0 | .0 | | | .0 | .0 | .0 | .1 | | | | | | | | | 44 | 44 | 2287 | | | | |
| 66/ 65 | .0 | | | | | .0 | .0 | .0 | .0 | | | | | | | | | 19 | 19 | 1367 | | | | |
| 64/ 63 | | | | | | .0 | .0 | .0 | | .0 | | | | | | | | 6 | 6 | 1002 | | | | |
| 62/ 61 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 562 | | | | |
| 60/ 59 | | | | | | .0 | | | | | | | | | | | | 2 | 2 | 373 | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 202 | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 121 | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 59 | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 24 | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | Total | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | Total | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

ALL

ALL
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

YEARS

SEP

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|----------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|---------|----------|--------------------|----------|-----------|---------|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | Dry Bulb | | Wet Bulb | Dew Point | |
| 114/113 | | | | | | | | | | | | | | | | | | .0 | 2 | 2 | | |
| 112/111 | | | | | | | | | | | | | | | | | | .1 | 12 | 12 | | |
| 110/109 | | | | | | | | | | | | | | | | | | .1 | 24 | 24 | | |
| 108/107 | | | | | | | | | | | | | | | | | .0 | .3 | 69 | 69 | | |
| 106/105 | | | | | | | | | | | | | | | | | .0 | .9 | 198 | 198 | | |
| 104/103 | | | | | | | | | | | | | | .0 | .0 | .2 | 1.7 | 384 | 384 | | | |
| 102/101 | | | | | | | | | | | | | | .1 | .3 | .5 | 1.9 | 563 | 563 | | | |
| 100/ 99 | | | | | | | | | | | | .0 | .1 | .4 | .8 | .9 | 2.0 | 831 | 831 | | | |
| 98/ 97 | | | | | | | | | | | .0 | .1 | .4 | .7 | 1.0 | .9 | 1.6 | 941 | 941 | | | |
| 96/ 95 | | | | | | | | | | .0 | .0 | .4 | .8 | 1.0 | 1.0 | 1.0 | 1.2 | 1126 | 1128 | | | |
| 94/ 93 | | | | | | | | | | .1 | .2 | .7 | .9 | 1.0 | .9 | .7 | .7 | 1054 | 1054 | | | |
| 92/ 91 | | | | | | | | | .0 | .3 | .7 | .9 | 1.0 | 1.0 | .8 | .6 | .4 | 1144 | 1144 | | | |
| 90/ 89 | | | | | | | | .0 | .2 | .7 | .9 | 1.1 | 1.2 | 1.0 | .6 | .4 | .2 | 1277 | 1277 | | | |
| 88/ 87 | | | | | | | .0 | .2 | .5 | .8 | 1.0 | 1.1 | .9 | .6 | .4 | .2 | .1 | 1208 | 1208 | | | |
| 86/ 85 | | | | | | .0 | .2 | .5 | .7 | 1.1 | 1.0 | 1.0 | .8 | .5 | .2 | .1 | .0 | 1275 | 1275 | | | |
| 84/ 83 | | | | | .0 | .1 | .4 | .6 | .9 | 1.1 | 1.0 | .8 | .6 | .3 | .2 | .1 | .0 | 1233 | 1234 | | | |
| 82/ 81 | | | .0 | .0 | .1 | .3 | .7 | .8 | .9 | 1.0 | 1.1 | .7 | .5 | .2 | .1 | .0 | | 1251 | 1252 | | | |
| 80/ 79 | | .0 | .0 | .1 | .3 | .7 | .8 | .8 | 1.0 | 1.0 | .9 | .6 | .3 | .1 | .0 | | | 1331 | 1333 | | | |
| 78/ 77 | | | .1 | .3 | .5 | .6 | .8 | .8 | .8 | 1.0 | .6 | .4 | .2 | .0 | .0 | | | 1238 | 1242 | 18 | | |
| 76/ 75 | .0 | .0 | .2 | .4 | .7 | .8 | .7 | .8 | .9 | .8 | .4 | .2 | .1 | .0 | .0 | | | 1187 | 1191 | 192 | 4 | |
| 74/ 73 | .0 | .1 | .4 | .5 | .4 | .6 | .6 | .8 | .7 | .7 | .3 | .1 | .0 | .0 | | | | 1071 | 1073 | 866 | 21 | |
| 72/ 71 | .0 | .2 | .4 | .3 | .4 | .4 | .7 | .6 | .6 | .5 | .2 | .0 | | | | | | 877 | 878 | 1902 | 97 | |
| 70/ 69 | .1 | .2 | .4 | .2 | .2 | .3 | .5 | .6 | .6 | .3 | .1 | .0 | | | | | | 721 | 721 | 2690 | 277 | |
| 68/ 67 | .0 | .1 | .2 | .1 | .2 | .3 | .3 | .5 | .5 | .2 | .0 | | | | | | | 514 | 514 | 2860 | 499 | |
| 66/ 65 | .1 | .0 | .1 | .1 | .1 | .2 | .3 | .3 | .2 | .1 | .0 | | | | | | | 328 | 328 | 2739 | 882 | |
| 64/ 63 | .1 | .1 | .1 | .0 | .1 | .1 | .2 | .2 | .1 | .0 | .0 | | | | | | | 188 | 188 | 2392 | 1064 | |
| 62/ 61 | .0 | .0 | .0 | .0 | .1 | .1 | .1 | .2 | .1 | .0 | .0 | | | | | | | 125 | 125 | 1912 | 1200 | |
| 60/ 59 | .0 | .0 | .0 | .0 | .0 | .1 | .1 | .1 | .1 | | | | | | | | | 81 | 82 | 1563 | 1467 | |
| 58/ 57 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | 34 | 34 | 1091 | 1464 | |
| 56/ 55 | | .0 | .0 | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | 15 | 15 | 820 | 1581 | |
| 54/ 53 | | .0 | .0 | .0 | .0 | | .0 | | | | | | | | | | | 14 | 14 | 579 | 1596 | |
| 52/ 51 | | .0 | | .0 | .0 | .0 | .0 | | | | | | | | | | | 10 | 10 | 339 | 1512 | |
| 50/ 49 | | | | .0 | .0 | .0 | | | | | | | | | | | | 3 | 3 | 167 | 1432 | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 103 | 1256 | |
| Element (X) | Σ x ² | | Σ x | | x̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 90 F | ≥ 100 F | ≥ 110 F | ≥ 120 F | ≥ 130 F | ≥ 140 F | ≥ 150 F |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

ALL

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|------------------------------------|-------------------------------------|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 104/103 | | | | | | | | | | | | | | | | | .0 | 2 | 2 | | | | |
| 102/101 | | | | | | | | | | | | | | | | | .1 | 11 | 11 | | | | |
| 100/ 99 | | | | | | | | | | | | | | | .0 | .0 | .3 | 70 | 71 | | | | |
| 98/ 97 | | | | | | | | | | | | | .0 | .0 | .0 | .1 | .4 | 130 | 130 | | | | |
| 96/ 95 | | | | | | | | | | | | .0 | .0 | .1 | .2 | .3 | .8 | 303 | 307 | | | | |
| 94/ 93 | | | | | | | | | | | | .0 | .1 | .2 | .4 | .5 | .9 | 454 | 459 | | | | |
| 92/ 91 | | | | | | | | | | | .0 | .1 | .3 | .5 | .7 | .7 | .6 | 610 | 614 | | | | |
| 90/ 89 | | | | | | | | | .0 | .0 | .1 | .3 | .5 | .6 | .7 | .7 | .5 | 691 | 693 | | | | |
| 88/ 87 | | | | | | | | .0 | .0 | .1 | .2 | .5 | .7 | .9 | .9 | .6 | .1 | 812 | 816 | | | | |
| 86/ 85 | | | | | | | .0 | .0 | .1 | .2 | .4 | .7 | .9 | .9 | .7 | .3 | .0 | 902 | 907 | | | | |
| 84/ 83 | | | | | | .0 | .1 | .1 | .1 | .4 | .7 | .9 | 1.0 | .8 | .5 | .1 | .0 | 914 | 917 | | | | |
| 82/ 81 | | | | | | .0 | .0 | .1 | .3 | .6 | .8 | 1.0 | .9 | .5 | .2 | .0 | .0 | 941 | 946 | | | | |
| 80/ 79 | | | | | .1 | .1 | .1 | .3 | .4 | .8 | 1.2 | 1.0 | .7 | .3 | .1 | | | 1043 | 1049 | | | | |
| 78/ 77 | | | | .0 | .1 | .1 | .2 | .4 | .7 | .9 | 1.1 | .7 | .5 | .2 | .0 | | | 1018 | 1021 | | | | |
| 76/ 75 | | .0 | .0 | .1 | .1 | .2 | .4 | .8 | 1.0 | 1.1 | 1.0 | .5 | .3 | .1 | | | | 1177 | 1183 | 2 | 1 | | |
| 74/ 73 | | .0 | .1 | .1 | .2 | .3 | .5 | .8 | 1.0 | 1.2 | .8 | .5 | .2 | .0 | .0 | | | 1186 | 1191 | 23 | | | |
| 72/ 71 | | .0 | .1 | .2 | .2 | .4 | .7 | .8 | 1.1 | 1.0 | .6 | .3 | .1 | .0 | | | | 1174 | 1178 | 94 | 1 | | |
| 70/ 69 | | .1 | .2 | .2 | .3 | .6 | .9 | 1.3 | 1.3 | .9 | .5 | .1 | .0 | .0 | | | | 1330 | 1332 | 289 | 20 | | |
| 68/ 67 | .0 | .2 | .2 | .3 | .5 | .8 | 1.0 | 1.2 | 1.1 | .7 | .2 | .1 | .0 | | | | | 1308 | 1311 | 586 | 80 | | |
| 66/ 65 | .0 | .1 | .3 | .4 | .6 | .6 | 1.0 | 1.2 | 1.0 | .4 | .1 | .0 | .0 | .0 | | | | 1180 | 1181 | 1193 | 130 | | |
| 64/ 63 | .0 | .2 | .3 | .4 | .6 | .8 | .9 | 1.0 | .7 | .2 | .1 | .0 | | | | | | 1090 | 1090 | 1672 | 178 | | |
| 62/ 61 | .0 | .2 | .3 | .5 | .6 | .8 | 1.0 | 1.0 | .5 | .1 | .0 | | | | | | | 1038 | 1038 | 2166 | 281 | | |
| 60/ 59 | .0 | .3 | .4 | .5 | .7 | .9 | .8 | .7 | .3 | .0 | | | | | | | | 951 | 951 | 2498 | 422 | | |
| 58/ 57 | .0 | .3 | .3 | .3 | .5 | .6 | .6 | .5 | .1 | .0 | .0 | | | | | | | 671 | 671 | 2483 | 573 | | |
| 56/ 55 | .0 | .3 | .3 | .3 | .4 | .5 | .5 | .2 | .1 | .0 | | | | | | | | 534 | 534 | 2244 | 786 | | |
| 54/ 53 | .0 | .2 | .2 | .3 | .3 | .3 | .3 | .0 | .0 | | | | | | | | | 381 | 381 | 1856 | 1077 | | |
| 52/ 51 | .0 | .1 | .2 | .3 | .3 | .3 | .2 | .0 | .0 | | | | | | | | | 304 | 304 | 1625 | 1174 | | |
| 50/ 49 | .0 | .1 | .2 | .2 | .2 | .1 | .1 | .0 | | | | | | | | | | 197 | 197 | 1327 | 1353 | | |
| 48/ 47 | .0 | .1 | .1 | .1 | .2 | .1 | .1 | .0 | | | | | | | | | | 142 | 142 | 925 | 1448 | | |
| 46/ 45 | .0 | .0 | .1 | .1 | .1 | .0 | .0 | | | | | | | | | | | 89 | 89 | 689 | 1614 | | |
| 44/ 43 | | .1 | .1 | .1 | .1 | .0 | .0 | | | | | | | | | | | 68 | 68 | 484 | 1666 | | |
| 42/ 41 | | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | | | 21 | 21 | 271 | 1599 | | |
| 40/ 39 | .0 | .0 | .0 | .0 | | .0 | | | | | | | | | | | | 15 | 15 | 172 | 1539 | | |
| 38/ 37 | | .0 | .0 | .0 | | .0 | | | | | | | | | | | | 10 | 10 | 83 | 1301 | | |
| Element (X) | Σ x ² | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | |
| | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 72 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

42-74

ICT

MONTH

YEARS

PAGE 2

ALL

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | |
|---------|-------------------------------|
| 23104 | WILLIAMS AFB ARIZONA/CHANDLER |
| STATION | STATION NAME |

47-74

HLV

STATION

STATION NAME

YEARS

MONTI

PAGE 1

ALL

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|--------------------|-----------|--|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | | Dew Point | | |
| 92/ 91 | | | | | | | | | | | | | | | .0 | .0 | .0 | 6 | 6 | | | | |
| 90/ 89 | | | | | | | | | | | | | | .0 | .0 | .1 | .0 | 25 | 25 | | | | |
| 88/ 87 | | | | | | | | | | | | | .0 | .0 | .1 | .1 | .0 | 52 | 52 | | | | |
| 86/ 85 | | | | | | | | | | | .0 | .0 | .1 | .1 | .2 | .2 | .0 | 115 | 115 | | | | |
| 84/ 83 | | | | | | | | | | .0 | .0 | .1 | .2 | .3 | .4 | .1 | .0 | 215 | 215 | | | | |
| 82/ 81 | | | | | | | | | | | .1 | .2 | .4 | .6 | .3 | .0 | .0 | 305 | 305 | | | | |
| 80/ 79 | | | | | | | | | .0 | .0 | .2 | .4 | .7 | .7 | .2 | .0 | | 433 | 433 | | | | |
| 78/ 77 | | | | | | | | .0 | .1 | .2 | .4 | .8 | .7 | .3 | .0 | .0 | | 517 | 518 | | | | |
| 76/ 75 | | | | | | | .0 | .1 | .2 | .4 | .8 | .8 | .6 | .2 | .0 | | | 594 | 594 | | | | |
| 74/ 73 | | | | | | .0 | .0 | .1 | .4 | .7 | .8 | .9 | .4 | .1 | .0 | | | 699 | 701 | | | | |
| 72/ 71 | | | | | .0 | .1 | .2 | .3 | .6 | .9 | .9 | .7 | .2 | .0 | | | | 794 | 797 | | | | |
| 70/ 69 | | | | | .1 | .1 | .3 | .5 | .9 | .9 | .9 | .4 | .1 | .0 | | | | 821 | 823 | | | | |
| 68/ 67 | | | .0 | .0 | .1 | .2 | .5 | .8 | 1.0 | 1.0 | .6 | .2 | .0 | | | | | 881 | 884 | | | | |
| 66/ 65 | | | .1 | .2 | .2 | .4 | .8 | 1.1 | 1.1 | .9 | .4 | .2 | | | | | | 1025 | 1027 | 3 | | | |
| 64/ 63 | | .0 | .1 | .2 | .3 | .6 | .8 | 1.2 | .9 | .5 | .3 | .0 | | | | | | 1002 | 1007 | 40 | | | |
| 62/ 61 | | .1 | .2 | .3 | .6 | .8 | 1.1 | 1.2 | .9 | .4 | .1 | .0 | | | | | | 1119 | 1120 | 188 | 1 | | |
| 60/ 59 | | .1 | .2 | .4 | .8 | 1.1 | 1.1 | 1.3 | .8 | .3 | .0 | | | | | | | 1220 | 1221 | 509 | 28 | | |
| 58/ 57 | | .2 | .4 | .6 | .8 | 1.3 | 1.3 | 1.1 | .6 | .2 | .0 | | | | | | | 1277 | 1278 | 918 | 67 | | |
| 56/ 55 | .0 | .3 | .5 | .7 | 1.1 | 1.4 | 1.3 | .8 | .4 | .0 | | | | | | | | 1292 | 1292 | 1614 | 155 | | |
| 54/ 53 | .1 | .4 | .5 | 1.0 | 1.3 | 1.3 | 1.1 | .5 | .2 | .0 | | | | | | | | 1299 | 1300 | 1838 | 236 | | |
| 52/ 51 | .1 | .6 | .7 | 1.0 | 1.2 | 1.2 | 1.0 | .4 | .1 | | | | | | | | | 1229 | 1229 | 1927 | 326 | | |
| 50/ 49 | .1 | .5 | .9 | 1.0 | 1.4 | 1.1 | .7 | .3 | .0 | | | | | | | | | 1162 | 1163 | 2099 | 527 | | |
| 48/ 47 | .0 | .5 | 1.0 | 1.0 | 1.0 | .7 | .5 | .1 | | | | | | | | | | 972 | 972 | 2030 | 684 | | |
| 46/ 45 | .1 | .6 | .9 | .9 | .8 | .7 | .3 | .0 | | | | | | | | | | 856 | 856 | 1963 | 936 | | |
| 44/ 43 | .1 | .5 | .7 | .5 | .6 | .5 | .1 | | | | | | | | | | | 590 | 590 | 1777 | 1059 | | |
| 42/ 41 | .1 | .5 | .6 | .3 | .5 | .4 | .0 | | | | | | | | | | | 470 | 470 | 1489 | 1360 | | |
| 40/ 39 | .1 | .5 | .4 | .3 | .4 | .2 | .0 | | | | | | | | | | | 383 | 383 | 1138 | 1346 | | |
| 38/ 37 | .0 | .5 | .3 | .2 | .2 | .1 | | | | | | | | | | | | 256 | 256 | 859 | 1566 | | |
| 36/ 35 | .0 | .3 | .2 | .2 | .1 | .0 | | | | | | | | | | | | 158 | 158 | 619 | 1696 | | |
| 34/ 33 | | .2 | .1 | .1 | .0 | | | | | | | | | | | | | 76 | 76 | 407 | 1469 | | |
| 32/ 31 | .0 | .1 | .0 | .0 | .0 | | | | | | | | | | | | | 24 | 24 | 275 | 1528 | | |
| 30/ 29 | | .0 | .0 | .0 | | | | | | | | | | | | | | 6 | 6 | 118 | 1330 | | |
| 28/ 27 | | | | .0 | | | | | | | | | | | | | | 2 | 2 | 48 | 989 | | |
| 26/ 25 | | | .0 | | | | | | | | | | | | | | | 2 | 2 | 12 | 1018 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

All

[illegible]

FORM 0-26.5 (OL A)

USAFETAC FORM 0.26-5 (OL A)

PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|--------|----------|----------|--------------------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29 | 30 | ≥ 31 | Dry Bulb | Wet Bulb | | Dew Point | | |
| 84/ 83 | | | | | | | | | | | | | | .0 | .0 | | | | 3 | 3 | | | | |
| 82/ 81 | | | | | | | | | | | | | .0 | .0 | .0 | .0 | | | 12 | 12 | | | | |
| 80/ 79 | | | | | | | | | | .0 | .0 | .0 | .1 | .1 | .0 | | | | 44 | 44 | | | | |
| 78/ 77 | | | | | | | | | | .0 | .1 | .1 | .2 | .0 | .0 | | | | 81 | 81 | | | | |
| 76/ 75 | | | | | | | | | .0 | .0 | .2 | .3 | .2 | .1 | .0 | | | | 165 | 165 | | | | |
| 74/ 73 | | | | | | | | .0 | .1 | .2 | .4 | .4 | .2 | .1 | | | | | 258 | 258 | | | | |
| 72/ 71 | | | | | | .0 | .0 | .1 | .1 | .3 | .5 | .5 | .1 | .0 | | | | | 326 | 326 | | | | |
| 70/ 69 | | | | | | .0 | .0 | .2 | .3 | .6 | .6 | .4 | .1 | .0 | | | | | 451 | 451 | | | | |
| 68/ 67 | | | | .0 | .0 | .1 | .2 | .4 | .6 | .8 | .6 | .2 | .0 | | | | | | 579 | 579 | | | | |
| 66/ 65 | | | | .0 | .1 | .2 | .4 | .6 | .9 | .8 | .5 | .2 | .0 | | | | | | 715 | 715 | | | | |
| 64/ 63 | | | | .1 | .2 | .4 | .5 | .9 | 1.0 | .7 | .3 | .1 | | | | | | | 835 | 835 | | | | |
| 62/ 61 | | .0 | .1 | .1 | .3 | .6 | .7 | 1.0 | 1.1 | .4 | .1 | .0 | | | | | | | 889 | 889 | 10 | | | |
| 60/ 59 | | .0 | .1 | .3 | .6 | .8 | 1.1 | 1.2 | .8 | .3 | .0 | | | | | | | | 1056 | 1056 | 37 | 2 | | |
| 58/ 57 | | .2 | .2 | .5 | .8 | .9 | 1.1 | 1.0 | .6 | .2 | .0 | | | | | | | | 1085 | 1085 | 138 | 6 | | |
| 56/ 55 | .0 | .4 | .4 | .6 | .8 | 1.1 | 1.3 | .8 | .3 | .0 | | | | | | | | | 1179 | 1179 | 436 | 56 | | |
| 54/ 53 | .1 | .6 | .6 | .7 | 1.1 | 1.4 | 1.0 | .8 | .1 | .0 | | | | | | | | | 1253 | 1253 | 953 | 111 | | |
| 52/ 51 | .2 | .6 | .8 | .8 | 1.2 | 1.4 | 1.1 | .4 | .1 | | | | | | | | | | 1297 | 1297 | 1357 | 230 | | |
| 50/ 49 | .1 | .8 | .9 | 1.2 | 1.4 | 1.5 | .9 | .3 | .0 | | | | | | | | | | 1417 | 1417 | 1748 | 349 | | |
| 48/ 47 | .1 | .6 | 1.1 | 1.3 | 1.6 | 1.4 | .6 | .1 | .0 | | | | | | | | | | 1353 | 1353 | 1888 | 455 | | |
| 46/ 45 | .0 | 1.0 | 1.3 | 1.6 | 1.6 | 1.0 | .4 | .1 | | | | | | | | | | | 1393 | 1394 | 1853 | 668 | | |
| 44/ 43 | .1 | 1.1 | 1.4 | 1.4 | 1.3 | .7 | .2 | | | | | | | | | | | | 1209 | 1210 | 1991 | 800 | | |
| 42/ 41 | .1 | .9 | 1.3 | 1.6 | 1.0 | .6 | .0 | | | | | | | | | | | | 1123 | 1123 | 1882 | 886 | | |
| 40/ 39 | .1 | .9 | 1.6 | 1.3 | .8 | .2 | .0 | | | | | | | | | | | | 984 | 984 | 1813 | 1217 | | |
| 38/ 37 | .1 | .9 | 1.3 | 1.1 | .6 | .1 | | | | | | | | | | | | | 808 | 808 | 1667 | 1203 | | |
| 36/ 35 | .1 | .9 | .9 | .7 | .4 | .0 | | | | | | | | | | | | | 572 | 572 | 1403 | 1576 | | |
| 34/ 33 | .1 | .6 | .7 | .4 | .2 | .0 | | | | | | | | | | | | | 377 | 377 | 1051 | 1602 | | |
| 32/ 31 | .1 | .4 | .4 | .3 | .0 | | | | | | | | | | | | | | 241 | 241 | 757 | 1758 | | |
| 30/ 29 | .0 | .4 | .2 | .1 | .0 | | | | | | | | | | | | | | 151 | 151 | 499 | 1735 | | |
| 28/ 27 | .0 | .1 | .1 | .1 | | | | | | | | | | | | | | | 53 | 53 | 259 | 1295 | | |
| 26/ 25 | | .0 | .1 | .0 | | | | | | | | | | | | | | | 27 | 27 | 124 | 1416 | | |
| 24/ 23 | | .0 | .0 | | | | | | | | | | | | | | | | 6 | 6 | 49 | 1046 | | |
| 22/ 21 | | .0 | | | | | | | | | | | | | | | | | 3 | 3 | 21 | 889 | | |
| 20/ 19 | | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 10 | 640 | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 568 | | |
| Element (X) | Σ x² | | | Σ x | | | x̄ | | | σ _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MONTH

ALL

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/NAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

43-61,64-65,73

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 64/ 63 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | | |
| 62/ 61 | | | | | | .1 | .1 | | | | | | | | | | | 3 | 3 | | | |
| 60/ 59 | | .3 | .1 | .2 | | | .1 | .1 | .1 | | | | | | | | | 15 | 15 | 2 | | |
| 58/ 57 | .1 | .1 | .1 | .1 | .2 | .2 | .1 | .2 | | | | | | | | | | 20 | 20 | 5 | 6 | |
| 56/ 55 | .2 | .2 | | .4 | .4 | .4 | .4 | | | | | | | | | | | 37 | 37 | 8 | 8 | |
| 54/ 53 | .3 | .6 | .4 | .9 | 1.3 | .6 | .5 | .3 | | | | | | | | | | 92 | 92 | 16 | 9 | |
| 52/ 51 | .1 | .6 | .8 | .7 | 1.2 | .9 | .7 | | | | | | | | | | | 95 | 95 | 19 | 5 | |
| 50/ 49 | .2 | 1.2 | 1.4 | 1.5 | 1.0 | 1.6 | .6 | | | | | | | | | | | 143 | 143 | 49 | 25 | |
| 48/ 47 | .3 | 2.0 | 1.9 | 3.1 | 2.5 | 1.6 | .4 | .1 | | | | | | | | | | 222 | 222 | 73 | 35 | |
| 46/ 45 | .6 | 2.0 | 2.8 | 3.3 | 2.3 | 1.3 | .2 | | | | | | | | | | | 235 | 235 | 139 | 37 | |
| 44/ 43 | .3 | 3.1 | 3.2 | 2.5 | 1.9 | .7 | .3 | | | | | | | | | | | 237 | 237 | 186 | 91 | |
| 42/ 41 | .9 | 2.6 | 3.0 | 2.2 | 1.5 | .5 | .2 | | | | | | | | | | | 205 | 205 | 251 | 123 | |
| 40/ 39 | .7 | 2.5 | 2.6 | 2.0 | 1.5 | .4 | .1 | | | | | | | | | | | 188 | 188 | 273 | 152 | |
| 38/ 37 | .5 | 1.9 | 1.8 | 1.9 | 1.0 | .2 | | | | | | | | | | | | 137 | 137 | 247 | 133 | |
| 36/ 35 | .6 | 2.0 | 1.3 | 1.2 | .6 | .3 | | | | | | | | | | | | 114 | 114 | 189 | 186 | |
| 34/ 33 | .3 | .8 | 1.0 | .3 | .5 | .2 | | | | | | | | | | | | 58 | 58 | 155 | 173 | |
| 32/ 31 | .2 | 1.1 | .4 | .1 | .3 | | | | | | | | | | | | | 39 | 39 | 109 | 146 | |
| 30/ 29 | .1 | .3 | .1 | .3 | .3 | | | | | | | | | | | | | 20 | 20 | 86 | 146 | |
| 28/ 27 | | .1 | | .5 | | | | | | | | | | | | | | 12 | 12 | 27 | 107 | |
| 26/ 25 | | .3 | .3 | .2 | | | | | | | | | | | | | | 15 | 15 | 15 | 114 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 17 | 97 | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 22 | 74 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 57 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 32 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 19 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 27 | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 13 | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 11 | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 13 | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 18 | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 6 | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 6 | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 7 | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 2 | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

0000-0200
HOURS (L. S. T.)

USAFETAC
FORM
NLS 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 43-74 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 60/ 59 | | .1 | | .1 | | .1 | | .1 | .0 | | | | | | | | | 10 | 10 | | | | | |
| 58/ 57 | .1 | .2 | .1 | .1 | .2 | .0 | .0 | .1 | | | | | | | | | | 20 | 20 | 4 | 3 | | | |
| 56/ 55 | .2 | .1 | .1 | .3 | .4 | .3 | .1 | .1 | | | | | | | | | | 34 | 34 | 11 | 9 | | | |
| 54/ 53 | .3 | .2 | .5 | .3 | .2 | .2 | .2 | .0 | | | | | | | | | | 44 | 44 | 15 | 10 | | | |
| 52/ 51 | .1 | .6 | .3 | .2 | .7 | .9 | .3 | .0 | | | | | | | | | | 72 | 72 | 18 | 5 | | | |
| 50/ 49 | .2 | 1.0 | .6 | 1.8 | .8 | 1.0 | .5 | | | | | | | | | | | 129 | 129 | 48 | 26 | | | |
| 48/ 47 | .2 | 1.3 | 1.9 | 2.2 | 1.6 | 1.0 | .5 | | | | | | | | | | | 190 | 190 | 50 | 34 | | | |
| 46/ 45 | .6 | 2.0 | 2.0 | 2.1 | 1.7 | 1.0 | .0 | | | | | | | | | | | 205 | 205 | 97 | 40 | | | |
| 44/ 43 | .8 | 2.3 | 3.1 | 2.4 | 1.8 | .9 | | | | | | | | | | | | 245 | 245 | 174 | 82 | | | |
| 42/ 41 | .9 | 2.9 | 2.9 | 2.7 | 1.4 | .3 | .0 | | | | | | | | | | | 240 | 240 | 209 | 87 | | | |
| 40/ 39 | 1.2 | 2.9 | 3.4 | 1.9 | 1.1 | .4 | .1 | | | | | | | | | | | 239 | 239 | 281 | 148 | | | |
| 38/ 37 | .0 | 2.9 | 3.2 | 2.2 | 1.3 | .1 | | | | | | | | | | | | 224 | 224 | 264 | 148 | | | |
| 36/ 35 | 1.1 | 3.3 | 1.5 | 2.0 | .7 | .0 | | | | | | | | | | | | 190 | 190 | 293 | 190 | | | |
| 34/ 33 | .4 | 1.5 | 1.7 | 1.3 | .3 | | | | | | | | | | | | | 115 | 115 | 219 | 213 | | | |
| 32/ 31 | .3 | 1.8 | 1.2 | .6 | .2 | .1 | | | | | | | | | | | | 93 | 93 | 146 | 181 | | | |
| 30/ 29 | .4 | 1.3 | .5 | .6 | .1 | | | | | | | | | | | | | 63 | 63 | 157 | 190 | | | |
| 28/ 27 | | .4 | .4 | .1 | .2 | | | | | | | | | | | | | 24 | 24 | 85 | 121 | | | |
| 26/ 25 | | .2 | .3 | .4 | | | | | | | | | | | | | | 18 | 18 | 33 | 146 | | | |
| 24/ 23 | | .1 | .3 | .2 | | | | | | | | | | | | | | 14 | 14 | 31 | 128 | | | |
| 22/ 21 | | .0 | .1 | .0 | | | | | | | | | | | | | | 4 | 4 | 20 | 111 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 13 | 57 | | | |
| 18/ 17 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 5 | 62 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 35 | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 1 | 31 | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 29 | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 15 | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 17 | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 13 | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 10 | | | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 9 | | | |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

0300-0500
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

43-74

YEARS

JAN
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 62/ 61 | | | | | | | .0 | | .1 | | | | | | | | | 3 | 3 | | | | |
| 60/ 59 | | .0 | | .0 | | | | .0 | | | | | | | | | | 3 | 3 | | | | |
| 58/ 57 | .0 | .2 | .1 | .1 | .2 | | | .1 | | | | | | | | | | 20 | 20 | 4 | 3 | | |
| 56/ 55 | .1 | .2 | .1 | .1 | .1 | .3 | .1 | .1 | | | | | | | | | | 31 | 31 | 8 | 8 | | |
| 54/ 53 | .1 | .3 | .3 | .3 | .3 | .3 | .0 | | | | | | | | | | | 47 | 47 | 14 | 8 | | |
| 52/ 51 | .0 | .6 | .7 | .3 | .4 | .4 | .3 | .0 | | | | | | | | | | 75 | 75 | 23 | 7 | | |
| 50/ 49 | .2 | .8 | 1.1 | 1.0 | .6 | .9 | .5 | | | | | | | | | | | 139 | 139 | 43 | 30 | | |
| 48/ 47 | .2 | 1.0 | 1.3 | 1.4 | 1.2 | .6 | .4 | | | | | | | | | | | 163 | 163 | 71 | 28 | | |
| 46/ 45 | .2 | 1.8 | 1.9 | 2.0 | 1.3 | .9 | .3 | | | | | | | | | | | 225 | 225 | 95 | 47 | | |
| 44/ 43 | .9 | 2.1 | 3.2 | 1.5 | 1.3 | .6 | .1 | | | | | | | | | | | 264 | 264 | 165 | 89 | | |
| 42/ 41 | .7 | 2.1 | 2.7 | 2.6 | 1.2 | .3 | .0 | | | | | | | | | | | 258 | 258 | 236 | 112 | | |
| 40/ 39 | .7 | 2.9 | 3.8 | 2.0 | 1.7 | .4 | | | | | | | | | | | | 306 | 306 | 273 | 130 | | |
| 38/ 37 | .6 | 2.9 | 3.7 | 1.9 | 1.0 | .1 | | | | | | | | | | | | 275 | 275 | 296 | 152 | | |
| 36/ 35 | .7 | 3.8 | 3.6 | 2.8 | .6 | .0 | | | | | | | | | | | | 310 | 310 | 325 | 203 | | |
| 34/ 33 | .7 | 2.5 | 2.2 | 1.0 | .6 | | | | | | | | | | | | | 168 | 188 | 340 | 262 | | |
| 32/ 31 | .4 | 1.7 | 1.7 | .6 | .3 | .0 | | | | | | | | | | | | 126 | 126 | 262 | 233 | | |
| 30/ 29 | .3 | 2.0 | 1.0 | .9 | .1 | | | | | | | | | | | | | 118 | 118 | 199 | 252 | | |
| 28/ 27 | .2 | .8 | .5 | .6 | .0 | | | | | | | | | | | | | 58 | 58 | 130 | 195 | | |
| 26/ 25 | | .6 | .3 | .5 | | | | | | | | | | | | | | 37 | 37 | 77 | 182 | | |
| 24/ 23 | .0 | .2 | .3 | .3 | | | | | | | | | | | | | | 20 | 20 | 51 | 135 | | |
| 22/ 21 | | .2 | .5 | .1 | | | | | | | | | | | | | | 23 | 23 | 32 | 158 | | |
| 20/ 19 | | .0 | .2 | .0 | | | | | | | | | | | | | | 7 | 7 | 27 | 109 | | |
| 18/ 17 | | | .1 | | | | | | | | | | | | | | | 2 | 2 | 20 | 90 | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | 6 | 60 | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | 1 | 42 | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 31 | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 27 | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 23 | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 22 | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 20 | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 15 | | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 10 | | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 4 | | |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 5 | | |
| Element (X) | Σ x ² | | Σ x | | x̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

JAN
MONTH

0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| -6/-7 | | | | | | | | | | | | | | | | | | | | | 4 |
| -8/-9 | | | | | | | | | | | | | | | | | | | | | 1 |
| -10/-11 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 6.0 | 26.7 | 29.1 | 20.3 | 11.0 | 4.7 | 1.7 | .3 | .1 | | | | | | | | | | 2698 | | 2698 |
| | | | | | | | | | | | | | | | | | | 2698 | | 2698 | |
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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

JAN
MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 78/ 77 | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | | | | |
| 74/ 73 | | | | | | | | | | .0 | | .0 | .0 | | | | | 3 | 3 | | | | | |
| 72/ 71 | | | | | | | | | | .0 | .1 | .0 | | | | | | 4 | 4 | | | | | |
| 70/ 69 | | | | | | | | .1 | .1 | .0 | .1 | .0 | | | | | | 11 | 11 | | | | | |
| 68/ 67 | | | | | | | .1 | .2 | .2 | .1 | .0 | | | | | | | 16 | 16 | | | | | |
| 66/ 65 | | | | .0 | .0 | .0 | .2 | .4 | .3 | .4 | .1 | .0 | | | | | | 44 | 44 | | | | | |
| 64/ 63 | | | .0 | .0 | | .1 | .3 | .6 | .5 | .4 | .1 | | | | | | | 62 | 62 | | | | | |
| 62/ 61 | | .1 | .0 | .1 | .1 | .4 | .9 | 1.1 | .7 | .2 | | | | | | | | 105 | 105 | | | | | |
| 60/ 59 | | .2 | .1 | .3 | .2 | .9 | 1.3 | 1.4 | .5 | .2 | | | | | | | | 146 | 146 | 5 | | | | |
| 58/ 57 | | .2 | .2 | .5 | .6 | 1.3 | 1.9 | 1.2 | .4 | .1 | | | | | | | | 182 | 182 | 12 | 7 | | | |
| 56/ 55 | | .1 | .5 | .8 | 1.9 | 2.0 | 1.7 | 1.5 | .5 | .1 | | | | | | | | 261 | 261 | 18 | 11 | | | |
| 54/ 53 | | .3 | 1.0 | 1.1 | 1.6 | 2.0 | 1.8 | 1.0 | .1 | .0 | | | | | | | | 258 | 258 | 40 | 8 | | | |
| 52/ 51 | .1 | .8 | 1.4 | 2.0 | 2.2 | 1.5 | 1.5 | .7 | | | | | | | | | | 290 | 290 | 109 | 18 | | | |
| 50/ 49 | .1 | .6 | 1.6 | 2.1 | 2.4 | 2.1 | 1.4 | .5 | .1 | | | | | | | | | 311 | 311 | 202 | 27 | | | |
| 48/ 47 | .1 | 1.4 | 1.7 | 2.0 | 2.1 | 1.3 | .6 | .3 | | | | | | | | | | 272 | 272 | 317 | 63 | | | |
| 46/ 45 | .1 | 1.0 | 2.0 | 2.0 | 1.5 | 1.1 | .3 | .1 | .0 | | | | | | | | | 235 | 235 | 386 | 93 | | | |
| 44/ 43 | .2 | 1.1 | 1.4 | 1.6 | 1.5 | .6 | .3 | | | | | | | | | | | 193 | 193 | 393 | 135 | | | |
| 42/ 41 | .1 | 1.0 | 1.3 | 1.3 | 1.3 | 1.0 | .2 | | | | | | | | | | | 175 | 175 | 356 | 163 | | | |
| 40/ 39 | .2 | .6 | .8 | 1.0 | .8 | .4 | .1 | | | | | | | | | | | 112 | 112 | 305 | 224 | | | |
| 38/ 37 | .1 | .3 | .5 | 1.0 | .3 | .2 | | | | | | | | | | | | 71 | 71 | 241 | 232 | | | |
| 36/ 35 | | .4 | .6 | .3 | .3 | .3 | | | | | | | | | | | | 52 | 52 | 150 | 268 | | | |
| 34/ 33 | .0 | .2 | .1 | .2 | .1 | .0 | | | | | | | | | | | | 20 | 20 | 130 | 213 | | | |
| 32/ 31 | | .2 | .1 | .2 | .2 | | | | | | | | | | | | | 23 | 23 | 100 | 230 | | | |
| 30/ 29 | | .1 | .1 | .2 | .0 | | | | | | | | | | | | | 11 | 11 | 35 | 214 | | | |
| 28/ 27 | | | .1 | .1 | | | | | | | | | | | | | | 5 | 5 | 30 | 156 | | | |
| 26/ 25 | | | | .1 | | | | | | | | | | | | | | 2 | 2 | 19 | 170 | | | |
| 24/ 23 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 12 | 142 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 4 | 124 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 2 | 92 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 60 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 45 | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 45 | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 19 | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 19 | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN
MONTH

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

JAN

MONTH

1200-1400

MOUSE: 2 5 7 1

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

JAN
MONTH

1200-1400

MO:RS (S, T)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | > 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 49 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 33 | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 28 | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 22 | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 27 | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 25 | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 13 | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 12 | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 12 | |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 6 | |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 2 | |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 2 | |
| -8/ -9 | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | .4 | 2.0 | 3.2 | 5.2 | 8.7 | 12.2 | 13.1 | 14.1 | 17.3 | 11.0 | 7.3 | 3.3 | 1.3 | .7 | .1 | | | | 2878 | | 2878 | |
| | | | | | | | | | | | | | | | | | | 2878 | | 2878 | | |
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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

43-74

JAN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700

HOURS (L. T. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------------|-------|-------|-------|-------|-----------|-------|-------|-------|-------|------------|------|----------|--|----------|------------------------------------|--------------------|-------|-----|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | | Wet Bulb | | Dew Point | | | |
| 84/ 83 | | | | | | | | | | | | | .0 | .1 | .1 | .0 | | 9 | | 9 | | | | | |
| 82/ 81 | | | | | | | | | | | | .1 | .0 | .1 | .1 | .0 | | 10 | | 10 | | | | | |
| 80/ 79 | | | | | | | | | .0 | | .1 | .0 | .2 | .3 | .0 | | | 18 | | 18 | | | | | |
| 78/ 77 | | | | | | | | | | .1 | .3 | .3 | .2 | .1 | | | | 29 | | 29 | | | | | |
| 76/ 75 | | | | | | | | .0 | .1 | .2 | .8 | .8 | .8 | .3 | | | | 81 | | 81 | | | | | |
| 74/ 73 | | | | | | | | | .2 | .2 | .9 | 1.4 | .7 | .1 | .1 | | | 99 | | 99 | | | | | |
| 72/ 71 | | | | | | .0 | .0 | .3 | .4 | 1.5 | 1.9 | 1.9 | .4 | | | | | 178 | | 178 | | | | | |
| 70/ 69 | | | | | | .1 | .1 | .3 | 1.3 | 2.0 | 2.7 | .8 | .2 | | | | | 212 | | 212 | | | | | |
| 68/ 67 | | | | .1 | .2 | .1 | .2 | .9 | 2.3 | 2.1 | 1.9 | .9 | .0 | | | | | 240 | | 240 | | | | | |
| 66/ 65 | | | .0 | .1 | .1 | .1 | .7 | 1.5 | 2.8 | 2.3 | 1.3 | .5 | | | | | | 264 | | 264 | | | | | |
| 64/ 63 | | | .0 | .0 | .1 | .1 | .7 | 1.7 | 1.5 | 2.4 | 2.1 | 1.0 | .0 | | | | | 265 | | 265 | | 1 | | | |
| 62/ 61 | .0 | .1 | .0 | .1 | .3 | .9 | 2.3 | 1.8 | 2.2 | 1.2 | .6 | | | | | | | 267 | | 267 | | 14 | 1 | | |
| 60/ 59 | .0 | | .0 | .5 | .9 | 1.3 | 1.8 | 1.8 | 1.6 | 1.0 | .3 | | | | | | | 242 | | 243 | | 25 | 4 | | |
| 58/ 57 | | .1 | .2 | .2 | 1.2 | 1.3 | 1.6 | 1.4 | .8 | .5 | .0 | | | | | | | 201 | | 201 | | 41 | 6 | | |
| 56/ 55 | | .1 | .2 | .4 | .8 | 1.3 | .9 | 1.0 | .8 | .5 | .0 | | | | | | | 168 | | 168 | | 129 | 8 | | |
| 54/ 53 | | .4 | .3 | .3 | 1.3 | .8 | 1.0 | .5 | .9 | .1 | | | | | | | | 155 | | 155 | | 256 | 12 | | |
| 52/ 51 | .1 | .4 | .6 | .8 | .4 | .5 | .8 | .4 | .1 | | | | | | | | | 116 | | 116 | | 441 | 24 | | |
| 50/ 49 | .0 | .2 | .4 | .5 | .5 | .5 | .4 | .3 | .1 | .1 | | | | | | | | 82 | | 82 | | 483 | 32 | | |
| 48/ 47 | .0 | .6 | .5 | .5 | .4 | .4 | .3 | .2 | .0 | | | | | | | | | 80 | | 80 | | 414 | 51 | | |
| 46/ 45 | | .2 | .5 | .1 | .2 | .1 | .2 | .1 | | | | | | | | | | 38 | | 38 | | 358 | 93 | | |
| 44/ 43 | | .0 | .1 | .0 | .1 | .0 | .1 | .2 | | | | | | | | | | 17 | | 17 | | 239 | 108 | | |
| 42/ 41 | .0 | .1 | .0 | .1 | | .1 | .2 | .1 | | | | | | | | | | 18 | | 18 | | 165 | 155 | | |
| 40/ 39 | | | | | .1 | .1 | | | | | | | | | | | | 5 | | 5 | | 96 | 236 | | |
| 38/ 37 | | | | .0 | | | | | | | | | | | | | | 1 | | 1 | | 66 | 214 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | 24 | 231 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | 13 | 195 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | 14 | 203 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | 16 | 195 | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | 185 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | 192 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | 139 | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | 117 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | 77 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | 67 | |
| Element (L) | ΣX^2 | | | | | ΣX | | | | | \bar{X} | | | | | σ_x | | | | | No. Obs. | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | Mean No. of Hours with Temperature | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | ≤ 0 F | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | ≤ 32 F | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | ≥ 67 F | | | | |
| | | | | | | | | | | | | | | | | | | | | | ≥ 73 F | | | | |
| | | | | | | | | | | | | | | | | | | | | | ≥ 80 F | | | | |
| | | | | | | | | | | | | | | | | | | | | | ≥ 93 F | | | | |
| | | | | | | | | | | | | | | | | | | | | | Total | | | | |

USAFETAC FORM 64 JUL 64 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

43-74

JAN
MONTH

PAGE 2

1500-1700
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM JUL 64

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1800-2000

HOURS (L - S - T)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|----------|----------|--------------------|-----------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | | Dew Point | | |
| 82/ 81 | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | | | |
| 78/ 77 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | | | |
| 76/ 75 | | | | | | | | | | .0 | | | | | | | | 1 | 1 | | | | |
| 74/ 73 | | | | | | | | | | | .1 | .0 | .0 | | | | | 4 | 4 | | | | |
| 72/ 71 | | | | | | | | | | .1 | .0 | .2 | .1 | | | | | 12 | 12 | | | | |
| 70/ 69 | | | | | | | | | | .3 | .2 | .2 | .0 | | | | | 12 | 18 | | | | |
| 68/ 67 | | | | | | | .0 | .0 | .3 | .5 | .2 | .3 | | | | | | 34 | 34 | | | | |
| 66/ 65 | | | | | | | .1 | .6 | .7 | .8 | .6 | .2 | | | | | | 78 | 79 | | | | |
| 64/ 63 | | | .1 | .1 | .1 | .4 | 1.1 | 1.0 | 1.3 | .9 | .2 | | | | | | | 129 | 129 | | | | |
| 62/ 61 | | .2 | .1 | .2 | .1 | .8 | 1.6 | 1.7 | 1.0 | .3 | .1 | | | | | | | 152 | 152 | | | | |
| 60/ 59 | .0 | .2 | .2 | .3 | 1.0 | 1.6 | 1.7 | 1.7 | 1.3 | .2 | .1 | | | | | | | 210 | 210 | 16 | | | |
| 58/ 57 | .0 | | .4 | .7 | 1.6 | 2.7 | 1.9 | 1.8 | 1.0 | .1 | | | | | | | | 257 | 257 | 9 | | | |
| 56/ 55 | | .1 | .6 | 1.3 | 2.1 | 2.6 | 2.0 | 1.9 | 1.0 | .1 | | | | | | | | 291 | 291 | 21 | | | |
| 54/ 53 | .1 | .4 | .8 | 1.5 | 3.0 | 1.7 | 1.6 | 1.0 | .3 | | | | | | | | | 261 | 261 | 87 | | | |
| 52/ 51 | .2 | .4 | 1.1 | 2.2 | 2.1 | 1.9 | 1.5 | .6 | .3 | | | | | | | | | 263 | 263 | 174 | | | |
| 50/ 49 | .2 | .5 | 1.0 | 1.8 | 2.5 | 1.6 | 1.0 | .4 | .1 | | | | | | | | | 229 | 229 | 289 | | | |
| 48/ 47 | | 1.0 | 1.4 | 1.4 | 1.1 | 1.0 | .8 | .3 | | | | | | | | | | 179 | 179 | 360 | | | |
| 46/ 45 | .2 | 1.3 | 1.0 | 1.1 | 1.1 | .7 | .5 | .2 | | | | | | | | | | 154 | 154 | 411 | | | |
| 44/ 43 | .0 | .6 | 1.1 | .8 | .7 | .5 | .3 | .0 | | | | | | | | | | 103 | 103 | 325 | | | |
| 42/ 41 | | .7 | .6 | .6 | .2 | .3 | .4 | .0 | | | | | | | | | | 72 | 72 | 299 | | | |
| 40/ 39 | .1 | .2 | .3 | .3 | .2 | .3 | .2 | | | | | | | | | | | 37 | 37 | 196 | | | |
| 38/ 37 | | .0 | .2 | .1 | .1 | .3 | | | | | | | | | | | | 19 | 19 | 143 | | | |
| 36/ 35 | | .0 | .0 | .1 | | .1 | | | | | | | | | | | | 7 | 7 | 80 | | | |
| 34/ 33 | | | .1 | .1 | .1 | .1 | | | | | | | | | | | | 10 | 10 | 45 | | | |
| 32/ 31 | | | .0 | .0 | .0 | | | | | | | | | | | | | 3 | 3 | 30 | | | |
| 30/ 29 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 18 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 17 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ x ² | | | Σ x | | | x̄ | | | s _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1800-2000
HOURS (L, S, T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

JAN
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JAN
MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 8 |
| -2/ -3 | | | | | | | | | | | | | | | | | | | | | 1 |
| -4/ -5 | | | | | | | | | | | | | | | | | | | | | 6 |
| -6/ -7 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | 3.1 | 14.8 | 17.6 | 20.3 | 19.7 | 13.9 | 7.1 | 2.7 | .8 | | | | | | | | | 2101 | 2101 | 2101 | 2101 |
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USAFETAC
FORM 0-26-5 (OL A)
JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-60,64-65,73
YEARS

FEB
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|--|--|--|--------------------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | | | | | Dry Bulb | Wet Bulb | Dew Point |
| 72/ 71 | | | | | | | | | | | | .1 | | | | | | | | | 1 | 1 | | |
| 68/ 67 | | | | | | | | | | | .2 | | | | | | | | | | 3 | 3 | | |
| 66/ 65 | | | | | | | | | .1 | .2 | .1 | | | | | | | | | | 5 | 5 | | |
| 64/ 63 | | | | | .1 | .2 | | .1 | .2 | | | | | | | | | | | | 8 | 8 | | |
| 62/ 61 | | | | .1 | .1 | .1 | .2 | .2 | .6 | .1 | .1 | | | | | | | | | | 23 | 23 | | |
| 60/ 59 | | | .1 | .2 | .5 | .4 | .4 | .3 | .3 | .1 | | | | | | | | | | | 39 | 39 | | |
| 58/ 57 | | .1 | .5 | 1.0 | .6 | .7 | .7 | .4 | .2 | .2 | | | | | | | | | | | 74 | 75 | | |
| 56/ 55 | | .5 | .3 | 1.1 | 1.2 | 1.2 | 1.1 | .4 | .1 | | | | | | | | | | | | 96 | 98 | 6 | 1 |
| 54/ 53 | .1 | .6 | .9 | 1.6 | 1.5 | 1.8 | 1.5 | .1 | .2 | | | | | | | | | | | | 136 | 136 | 36 | 5 |
| 52/ 51 | .2 | .7 | 1.4 | 1.4 | 2.5 | 1.3 | .4 | .2 | | | | | | | | | | | | | 132 | 132 | 46 | 17 |
| 50/ 49 | | 1.4 | 1.6 | 2.7 | 1.9 | 1.2 | .6 | | | | | | | | | | | | | | 154 | 154 | 84 | 30 |
| 48/ 47 | .1 | 2.2 | 2.1 | 3.2 | 2.7 | 1.5 | .2 | .2 | | | | | | | | | | | | | 200 | 200 | 130 | 46 |
| 46/ 45 | .2 | 2.0 | 2.2 | 3.0 | 1.5 | 1.2 | .2 | .1 | | | | | | | | | | | | | 171 | 171 | 194 | 70 |
| 44/ 43 | .1 | 1.8 | 1.9 | 2.5 | 1.8 | 1.3 | .5 | | | | | | | | | | | | | | 162 | 162 | 220 | 96 |
| 42/ 41 | .2 | 2.1 | 1.8 | 2.3 | .9 | .8 | .1 | | | | | | | | | | | | | | 135 | 138 | 197 | 95 |
| 40/ 39 | .2 | 1.3 | 2.1 | .8 | .6 | .7 | | | | | | | | | | | | | | | 95 | 95 | 174 | 126 |
| 38/ 37 | .4 | 1.1 | 1.1 | 1.2 | 1.0 | .2 | | | | | | | | | | | | | | | 81 | 82 | 161 | 124 |
| 36/ 35 | .2 | .9 | .8 | .8 | .8 | | | | | | | | | | | | | | | | 59 | 60 | 138 | 177 |
| 34/ 33 | | .3 | 1.1 | .7 | .3 | | | | | | | | | | | | | | | | 39 | 41 | 81 | 124 |
| 32/ 31 | | .2 | .6 | .2 | .1 | | | | | | | | | | | | | | | | 18 | 20 | 73 | 143 |
| 30/ 29 | | .1 | .5 | .1 | | | | | | | | | | | | | | | | | 12 | 12 | 62 | 118 |
| 28/ 27 | | | .3 | | | | | | | | | | | | | | | | | | 5 | 5 | 26 | 77 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | 15 | 84 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | 5 | | 72 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | 43 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | 33 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | 38 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | 36 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | 21 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | 25 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | 13 |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | 17 |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | 9 |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | | | | 4 |
| Element (X) | $\Sigma x'$ | | Σx | | \bar{x} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | Total | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

0000-0200
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE
OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|-----------|-----|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 66/ 65 | | | | | | | | | .1 | .1 | .1 | | | | | | | 3 | 3 | | | | | | |
| 64/ 63 | | | | | | | .1 | .1 | .1 | .1 | .1 | | | | | | | 7 | 7 | | | | | | |
| 62/ 61 | | | | | | .1 | .2 | .2 | .2 | .2 | | | | | | | | 12 | 12 | | | | | | |
| 60/ 59 | | | .1 | | .2 | .1 | .2 | .3 | | .1 | | | | | | | | 18 | 18 | | | | | | |
| 58/ 57 | | .1 | .2 | .4 | .3 | .3 | .2 | .4 | .3 | .1 | | | | | | | | 38 | 38 | | | | | | |
| 56/ 55 | | .4 | .7 | .8 | .4 | .6 | .7 | .3 | .1 | | | | | | | | | 76 | 76 | 3 | | | | | |
| 54/ 53 | .1 | .5 | .4 | 1.4 | 1.0 | 1.0 | .8 | .3 | .1 | | | | | | | | | 105 | 106 | 16 | 5 | | | | |
| 52/ 51 | | .4 | 1.2 | 1.4 | 1.5 | 1.3 | .4 | .1 | | | | | | | | | | 117 | 119 | 37 | 15 | | | | |
| 50/ 49 | .2 | 1.5 | 1.2 | 1.8 | 2.1 | 1.4 | .4 | .2 | .1 | | | | | | | | | 168 | 168 | 68 | 20 | | | | |
| 48/ 47 | .2 | 2.3 | 1.5 | 2.1 | 2.0 | .9 | .5 | .1 | | | | | | | | | | 184 | 184 | 101 | 40 | | | | |
| 46/ 45 | .3 | 2.4 | 2.4 | 3.2 | 1.5 | .7 | .4 | .1 | | | | | | | | | | 208 | 208 | 168 | 61 | | | | |
| 44/ 43 | .3 | 2.8 | 2.6 | 2.2 | 2.1 | .9 | .4 | | | | | | | | | | | 214 | 215 | 191 | 110 | | | | |
| 42/ 41 | .3 | 2.0 | 2.6 | 2.0 | 1.2 | 1.0 | .2 | | | | | | | | | | | 177 | 178 | 232 | 113 | | | | |
| 40/ 39 | .2 | 2.1 | 3.0 | 2.5 | 1.0 | .4 | .1 | | | | | | | | | | | 178 | 179 | 227 | 98 | | | | |
| 38/ 37 | .2 | 1.7 | 2.0 | 1.2 | .9 | | .1 | | | | | | | | | | | 115 | 116 | 188 | 133 | | | | |
| 36/ 35 | .3 | 1.3 | 1.3 | 1.4 | .7 | .1 | | | | | | | | | | | | 95 | 96 | 200 | 183 | | | | |
| 34/ 33 | .5 | 1.0 | .9 | 1.2 | .4 | | | | | | | | | | | | | 76 | 76 | 160 | 156 | | | | |
| 32/ 31 | .1 | .9 | 1.0 | .6 | .2 | | | | | | | | | | | | | 55 | 56 | 100 | 156 | | | | |
| 30/ 29 | | .7 | .9 | .5 | | | | | | | | | | | | | | 40 | 45 | 92 | 160 | | | | |
| 28/ 27 | | .2 | .4 | .2 | | | | | | | | | | | | | | 14 | 14 | 66 | 108 | | | | |
| 26/ 25 | | .2 | .1 | .1 | | | | | | | | | | | | | | 7 | 7 | 32 | 118 | | | | |
| 24/ 23 | | | | .1 | | | | | | | | | | | | | | 1 | 1 | 22 | 78 | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 4 | 75 | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 56 | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | 1 | 47 | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 46 | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 33 | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 32 | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 23 | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 12 | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 16 | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 8 | | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74

YEARS

FER
MONTH

PAGE 2

0300-0500

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

PAGE 1 0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | | | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|--|-------|--|--|--|-------|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23 | 26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | |
| 58/ 67 | | | | | | | | | | .0 | .0 | | | | | | | 2 | 2 | | | | | | | | | | | | |
| 66/ 65 | | | | | | | | | .0 | .0 | | | | | | | | 2 | 2 | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | .1 | .0 | | .0 | | | | | | | 4 | 4 | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | .2 | .0 | | .0 | | | | | | | 8 | 8 | | | | | | | | | | | | |
| 60/ 59 | | | | | .0 | .2 | .0 | .3 | .1 | .0 | | | | | | | | 16 | 16 | | | | | | | | | | | | |
| 58/ 57 | | .0 | .2 | .3 | .3 | .1 | .2 | .3 | .1 | | | | | | | | | 37 | 37 | | | | | | | | | | | | |
| 56/ 55 | | .4 | .5 | .7 | .3 | .3 | .5 | .5 | .1 | .1 | | | | | | | | 79 | 79 | 4 | | | | | | | | | | | |
| 54/ 53 | | .5 | .5 | .6 | 1.0 | 1.0 | .5 | .3 | | | | | | | | | | 107 | 108 | 16 | 7 | | | | | | | | | | |
| 52/ 51 | | .8 | 1.3 | .5 | 1.3 | .8 | .5 | .2 | | .0 | | | | | | | | 131 | 133 | 31 | 14 | | | | | | | | | | |
| 50/ 49 | .0 | 1.0 | 1.8 | 1.2 | 1.3 | 1.3 | .6 | .0 | | | | | | | | | | 175 | 175 | 79 | 14 | | | | | | | | | | |
| 48/ 47 | .3 | 1.6 | 2.6 | 1.9 | 2.1 | 1.1 | .4 | .1 | .0 | | | | | | | | | 243 | 243 | 107 | 55 | | | | | | | | | | |
| 46/ 45 | .2 | 2.5 | 2.4 | 2.8 | 1.6 | 1.0 | .3 | .1 | | | | | | | | | | 257 | 257 | 176 | 77 | | | | | | | | | | |
| 44/ 43 | .3 | 1.3 | 3.6 | 3.2 | 1.3 | .8 | .5 | | | | | | | | | | | 264 | 266 | 218 | 106 | | | | | | | | | | |
| 42/ 41 | .3 | 2.0 | 2.4 | 2.0 | 1.4 | .7 | .1 | .0 | | | | | | | | | | 214 | 216 | 243 | 123 | | | | | | | | | | |
| 40/ 39 | .1 | 2.0 | 2.7 | 2.5 | 1.3 | .6 | .2 | | | | | | | | | | | 226 | 226 | 296 | 113 | | | | | | | | | | |
| 38/ 37 | .3 | 1.8 | 2.7 | 2.0 | 1.4 | .3 | .0 | | | | | | | | | | | 204 | 204 | 283 | 134 | | | | | | | | | | |
| 36/ 35 | .2 | 1.5 | 1.8 | 1.3 | .7 | .1 | | | | | | | | | | | | 134 | 136 | 215 | 219 | | | | | | | | | | |
| 34/ 33 | .3 | 1.1 | 1.2 | 1.2 | .5 | .1 | | | | | | | | | | | | 106 | 107 | 216 | 191 | | | | | | | | | | |
| 32/ 31 | .1 | 1.0 | .9 | .9 | .2 | | | | | | | | | | | | | 73 | 73 | 176 | 217 | | | | | | | | | | |
| 30/ 29 | .0 | .8 | .7 | .7 | .1 | | | | | | | | | | | | | 54 | 56 | 121 | 186 | | | | | | | | | | |
| 28/ 27 | | .3 | .6 | .2 | .0 | | | | | | | | | | | | | 28 | 32 | 94 | 145 | | | | | | | | | | |
| 26/ 25 | | .2 | .1 | .2 | .0 | | | | | | | | | | | | | 14 | 14 | 54 | 158 | | | | | | | | | | |
| 24/ 23 | | .1 | .0 | | | | | | | | | | | | | | | 3 | 3 | 38 | 129 | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 10 | 116 | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 4 | 56 | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 88 | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 42 | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 58 | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 40 | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 26 | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 26 | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 27 | | | | | | | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 8 | | | | | | | | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 | | | | | | | | | | |
| Element (X) | Σx^2 | | Σx | | \bar{x} | | s_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

43-74

YEARS

FEB
MONTH

PAGE 2

0600-0800
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

43-74

YEARS

FEB

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|------------------------------------|-------------------------------------|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 80/ 79 | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | | |
| 79/ 77 | | | | | | | | | | .1 | | .1 | .0 | .1 | | | | 7 | 7 | | | |
| 76/ 75 | | | | | | | | | .1 | | .0 | .1 | .2 | | | | | 10 | 10 | | | |
| 74/ 73 | | | | | | | | .0 | .1 | .3 | .3 | .3 | .0 | | | | | 27 | 27 | | | |
| 72/ 71 | | | | | | .0 | | .1 | .1 | .5 | .4 | .2 | .1 | | | | | 36 | 36 | | | |
| 70/ 69 | | | | | .0 | | .1 | .2 | .1 | .6 | .5 | .3 | .1 | | .0 | | | 50 | 50 | | | |
| 68/ 67 | | | | | | .2 | .4 | .3 | .8 | .6 | .7 | .1 | .1 | | | | | 80 | 80 | | | |
| 66/ 65 | | | | | .1 | .4 | .4 | .3 | 1.5 | .6 | .6 | .1 | .0 | | | | | 98 | 98 | | | |
| 64/ 63 | | | | .1 | .3 | .4 | 1.1 | 1.1 | 1.5 | .4 | .3 | .1 | .0 | | | | | 138 | 138 | | | |
| 62/ 61 | | .0 | .2 | .7 | .9 | 1.5 | 1.6 | .7 | .6 | .2 | | .0 | | | | | | 166 | 166 | 3 | | |
| 60/ 59 | | .0 | .1 | .3 | .7 | 1.2 | 2.3 | 1.7 | 1.4 | .6 | .2 | | | | | | | 218 | 218 | 6 | | |
| 58/ 57 | | .2 | .4 | 1.1 | 1.0 | 1.6 | 1.9 | 1.6 | .9 | .2 | .2 | | | | | | | 235 | 235 | 24 | | |
| 56/ 55 | | .2 | 1.0 | .9 | 1.5 | 2.5 | 1.8 | 1.2 | .5 | .4 | .0 | | | | | | | 255 | 255 | 63 | 4 | |
| 54/ 53 | | .2 | 1.1 | 1.1 | 1.9 | 1.9 | 1.3 | 1.2 | .4 | .0 | .0 | | | | | | | 237 | 238 | 131 | 15 | |
| 52/ 51 | | .4 | 1.3 | 1.2 | 1.5 | 1.6 | 1.2 | .8 | .3 | | | | | | | | | 209 | 210 | 191 | 27 | |
| 50/ 49 | | .6 | .9 | 2.2 | 1.9 | 1.5 | 1.1 | .8 | .1 | | | | | | | | | 232 | 234 | 304 | 59 | |
| 48/ 47 | | .3 | 1.3 | 1.4 | 1.5 | 1.1 | 1.1 | .4 | .0 | | | | | | | | | 176 | 179 | 325 | 92 | |
| 46/ 45 | .0 | .4 | .9 | 1.1 | 1.1 | .9 | .6 | .2 | | | | | | | | | | 132 | 133 | 331 | 104 | |
| 44/ 43 | .0 | .2 | .9 | .6 | .9 | .6 | .3 | | | | | | | | | | | 90 | 91 | 315 | 103 | |
| 42/ 41 | | .3 | .5 | .6 | .3 | .7 | .1 | | | | | | | | | | | 61 | 62 | 260 | 137 | |
| 40/ 39 | .0 | .2 | .4 | .6 | .5 | .2 | | | | | | | | | | | | 49 | 50 | 206 | 175 | |
| 38/ 37 | | .0 | .1 | .5 | .1 | .0 | | | | | | | | | | | | 20 | 21 | 141 | 215 | |
| 36/ 35 | | .0 | .2 | .1 | .2 | | | | | | | | | | | | | 14 | 14 | 120 | 243 | |
| 34/ 33 | | | .0 | .0 | | | | | | | | | | | | | | 2 | 3 | 65 | 187 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 42 | 193 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | 12 | | 157 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 4 | 123 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 151 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 124 | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 76 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 58 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 62 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 70 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 53 | |
| Element (X) | Σ x ² | | Σ x | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | |
| | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

43-74

FEB

MONTH

PAGE 2

0900-1100

HCURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|-----------|----------|----------|-----------|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 90/ 89 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | | |
| 88/ 87 | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | | |
| 86/ 85 | | | | | | | | | | | | | .1 | .0 | .0 | .1 | | 6 | 6 | | | |
| 84/ 83 | | | | | | | | | | | | .0 | .0 | .2 | .2 | .2 | .0 | 15 | 15 | | | |
| 82/ 81 | | | | | | | | | | | .1 | .1 | .3 | .2 | .4 | | | 27 | 27 | | | |
| 80/ 79 | | | | | | | .0 | | | .0 | .1 | .3 | .5 | .6 | .2 | .0 | .0 | 49 | 49 | | | |
| 78/ 77 | | | | | | | | | | .2 | .3 | .9 | .8 | .5 | .1 | .0 | | 75 | 75 | | | |
| 76/ 75 | | | | | | | | | .2 | .5 | .7 | 1.9 | .7 | .5 | .0 | .1 | | 117 | 117 | | | |
| 74/ 73 | | | | | | | | .1 | .3 | .5 | 1.2 | 1.5 | 1.1 | .2 | .1 | | | 127 | 127 | | | |
| 72/ 71 | | | | | | | .1 | .3 | .7 | 1.1 | 1.9 | 1.5 | .7 | .1 | .1 | | | 167 | 167 | | | |
| 70/ 69 | | | | | | | .4 | .7 | 1.1 | 2.1 | 1.7 | 1.1 | .5 | .1 | .0 | | | 197 | 197 | | | |
| 68/ 67 | | | | | .1 | .2 | .9 | 1.2 | 1.4 | 2.3 | 1.3 | .8 | .4 | .0 | | | | 219 | 219 | 1 | | |
| 66/ 65 | | | | | .0 | .7 | .9 | 1.9 | 2.1 | 1.6 | 1.3 | .6 | .0 | | | | | 234 | 234 | | | |
| 64/ 63 | | | | .2 | .3 | .7 | 1.3 | 2.0 | 2.5 | 1.6 | 1.0 | .4 | .1 | | | | | 259 | 259 | | | |
| 62/ 61 | | .0 | .2 | .5 | 1.0 | 1.3 | 2.1 | 1.9 | 1.6 | .7 | .2 | | | | | | | 240 | 240 | 10 | 1 | |
| 60/ 59 | | .2 | .4 | .8 | 1.1 | .7 | 1.3 | 1.4 | 1.1 | .4 | .0 | | | | | | | 190 | 190 | 36 | | |
| 58/ 57 | | .2 | .2 | .6 | .4 | 1.2 | 1.5 | 1.6 | .8 | .5 | .1 | .0 | | | | | | 179 | 181 | 95 | | |
| 56/ 55 | .0 | .1 | .2 | .4 | .6 | 1.0 | 1.2 | .6 | 1.0 | .2 | .2 | | | | | | | 143 | 143 | 210 | 7 | |
| 54/ 53 | | .4 | .2 | .6 | .9 | .5 | .7 | .5 | .7 | .0 | | | | | | | | 117 | 118 | 304 | 13 | |
| 52/ 51 | .1 | .2 | .3 | .7 | .4 | .4 | .7 | .7 | .2 | | | | | | | | | 95 | 97 | 392 | 33 | |
| 50/ 49 | | .1 | .3 | .4 | .1 | .3 | .3 | .3 | | | | | | | | | | 52 | 53 | 361 | 47 | |
| 48/ 47 | | .1 | .2 | .2 | .2 | .1 | .4 | .0 | | | | | | | | | | 31 | 31 | 345 | 91 | |
| 46/ 45 | | .2 | .0 | .1 | | .1 | .2 | | | | | | | | | | | 17 | 17 | 292 | 99 | |
| 44/ 43 | .0 | | .2 | | | .1 | | | | | | | | | | | | 7 | 7 | 228 | 114 | |
| 42/ 41 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 116 | 134 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 93 | 156 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 54 | 162 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 25 | 198 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | 184 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 202 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 191 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 127 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 142 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 111 | |
| Element (X) | Σ X ² | | | Σ X | | | X̄ | | | σ _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74

YEARS

FEB
MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
YEARS

FEB
MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | |
| 94/ 93 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | | | | |
| 90/ 89 | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | | | .1 | .0 | 3 | 3 | | | | | | | | |
| 86/ 85 | | | | | | | | | | | | | .0 | .2 | .2 | .2 | 10 | 10 | | | | | | | | |
| 84/ 83 | | | | | | | | | | | | .0 | .2 | .4 | .5 | .1 | .1 | 31 | 31 | | | | | | | |
| 82/ 81 | | | | | | | | | | | .2 | .3 | .4 | .7 | .6 | .1 | .1 | 58 | 58 | | | | | | | |
| 80/ 79 | | | | | | | | | | | .3 | .4 | 1.4 | 1.0 | .2 | .0 | .1 | 89 | 89 | | | | | | | |
| 78/ 77 | | | | | | | | | | .2 | .2 | 1.0 | 1.4 | 1.3 | .2 | .3 | | 112 | 112 | | | | | | | |
| 76/ 75 | | | | | | | | .2 | .8 | .8 | 1.3 | 1.1 | .9 | .1 | .0 | | | 133 | 133 | | | | | | | |
| 74/ 73 | | | | | | | .1 | .5 | .8 | 1.9 | 1.9 | 1.9 | .4 | .1 | | | | 189 | 189 | | | | | | | |
| 72/ 71 | | | | | | | .2 | 1.0 | 1.5 | 2.3 | 1.6 | .9 | .2 | | | | | 190 | 190 | | | | | | | |
| 70/ 69 | | | | .0 | | .1 | .9 | 1.0 | 1.9 | 2.1 | 1.7 | .6 | .2 | | | | | 212 | 212 | | | | | | | |
| 68/ 67 | | | | .1 | .4 | .6 | 1.3 | 1.7 | 2.1 | 2.1 | 1.4 | .4 | | | | | | 253 | 253 | | | | | | | |
| 66/ 65 | | | .0 | .2 | .4 | .9 | 1.0 | 1.6 | 2.5 | 1.5 | .7 | .3 | | | | | | 229 | 230 | | | | | | | |
| 64/ 63 | | | .0 | .3 | .9 | .9 | 1.3 | 1.5 | 1.2 | 1.2 | .4 | .1 | | | | | | 192 | 192 | | | | | | | |
| 62/ 61 | | .1 | .2 | .6 | .8 | .8 | .8 | 1.5 | 1.3 | .5 | .1 | .0 | | | | | | 166 | 166 | 13 | | | | | | |
| 60/ 59 | .0 | .2 | .3 | .5 | 1.0 | .8 | 1.6 | 1.0 | .8 | .4 | | | | | | | | 165 | 165 | 49 | 1 | | | | | |
| 58/ 57 | .0 | .3 | .3 | .4 | .6 | 1.0 | .9 | .5 | .6 | .4 | | | | | | | | 125 | 128 | 115 | | | | | | |
| 56/ 55 | .0 | .1 | .3 | .2 | .7 | .4 | .5 | .8 | .8 | .3 | .0 | | | | | | | 105 | 105 | 257 | 9 | | | | | |
| 54/ 53 | .3 | .4 | .4 | .3 | .2 | .4 | .5 | .3 | | | | | | | | | | 71 | 74 | 366 | 12 | | | | | |
| 52/ 51 | .2 | .2 | .5 | .3 | .1 | .2 | .4 | .1 | | | | | | | | | | 53 | 53 | 352 | 22 | | | | | |
| 50/ 49 | .0 | .5 | .1 | .2 | .3 | .4 | .3 | | | | | | | | | | | 46 | 46 | 349 | 44 | | | | | |
| 48/ 47 | .2 | .2 | .2 | .1 | | .2 | .1 | | | | | | | | | | | 26 | 26 | 341 | 71 | | | | | |
| 46/ 45 | .0 | .2 | .2 | .0 | | | | | | | | | | | | | | 12 | 12 | 231 | 1.8 | | | | | |
| 44/ 43 | .2 | | | | | | | | | | | | | | | | | 6 | 6 | 174 | 116 | | | | | |
| 42/ 41 | .1 | .1 | | | | | | | | | | | | | | | | 5 | 5 | 108 | 126 | | | | | |
| 40/ 39 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 75 | 130 | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 42 | 136 | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 12 | 169 | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 149 | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 193 | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 174 | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 124 | | | | | |
| 26/ 25 | .0 | | | | | | | | | | | | | | | | | 1 | 1 | | 165 | | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

1500-1700

HOURS (L, S, T.)

USAFETAC FORM 0-26.5 (OL 1)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

1800-2000
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

FEB
MONTH

PAGE 2 1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-60,62-74
YEARS

FEB
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|--------------------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 70/ 69 | | | | | | | | .1 | | | .2 | | | | | | | 5 | 5 | | |
| 68/ 67 | | | | | | | .1 | | .1 | .2 | .1 | | | | | | | 9 | 9 | | |
| 66/ 65 | | | | | .1 | .3 | .1 | .2 | .3 | .3 | .2 | | | | | | | 26 | 26 | | |
| 64/ 63 | | | | | .3 | .6 | .4 | .4 | .3 | .1 | | | | | | | | 39 | 39 | | |
| 62/ 61 | | | .1 | .1 | .4 | .9 | .8 | .7 | .6 | .3 | .1 | | | | | | | 71 | 71 | | |
| 60/ 59 | | | .2 | .5 | .6 | 1.7 | 1.6 | 1.2 | .8 | .3 | | | | | | | | 125 | 126 | | |
| 58/ 57 | | .1 | .5 | .5 | 1.3 | 1.4 | 1.7 | 1.1 | .4 | | .1 | | | | | | | 128 | 130 | 5 | |
| 56/ 55 | .1 | .4 | 1.2 | 1.6 | 1.3 | 2.5 | 1.8 | .5 | .4 | .1 | | | | | | | | 179 | 179 | 26 | |
| 54/ 53 | .1 | .1 | 1.5 | 1.7 | 2.6 | 2.2 | 1.4 | .7 | .5 | .1 | | | | | | | | 197 | 197 | 60 | |
| 52/ 51 | .1 | .9 | 1.2 | 1.4 | 2.6 | 1.7 | 1.2 | .6 | .2 | | | | | | | | | 179 | 179 | 79 | |
| 50/ 49 | .1 | 1.2 | 1.6 | 2.3 | 2.5 | 2.2 | .7 | .7 | .1 | | | | | | | | | 205 | 205 | 182 | |
| 48/ 47 | .1 | 1.4 | 1.9 | 2.3 | 2.8 | 1.5 | .7 | .3 | .1 | | | | | | | | | 199 | 199 | 194 | |
| 46/ 45 | .2 | 1.0 | 1.5 | 2.0 | 1.4 | .3 | 1.2 | .2 | | | | | | | | | | 139 | 141 | 249 | |
| 44/ 43 | | .7 | 1.4 | 1.4 | .8 | .9 | .3 | .1 | | | | | | | | | | 101 | 102 | 244 | |
| 42/ 41 | .2 | .8 | .8 | .9 | .6 | .9 | .3 | | | | | | | | | | | 80 | 83 | 210 | |
| 40/ 39 | .1 | .9 | .4 | .9 | .3 | .6 | | .1 | | | | | | | | | | 61 | 61 | 199 | |
| 38/ 37 | | .4 | .4 | .4 | .5 | .2 | | | | | | | | | | | | 34 | 36 | 134 | |
| 36/ 35 | .1 | | .3 | .3 | .3 | .1 | | | | | | | | | | | | 20 | 21 | 67 | |
| 34/ 33 | | .1 | .4 | .2 | .1 | | | | | | | | | | | | | 13 | 13 | 72 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 43 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 32 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 11 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 3 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

FEB
MONTH

2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|------------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|-----------|----------|----------|-----------|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 2 / 1 -4 / -5 | | | | | | | | | | | | | | | | | | | | | 5 1 |
| TOTAL | .8 | 8.2 | 13.4 | 16.5 | 18.4 | 17.8 | 12.3 | 6.8 | 3.8 | 1.4 | .6 | | | | | | | 1810 | 1822 | 1810 | 1810 |
| | | | | | | | | | | | | | | | | | | | | | |
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USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-45, 47-60, 64-65, 73-74

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 72/ 71 | | | | | | | | | | .1 | | | | | | | | 1 | 1 | | | | |
| 70/ 69 | | | | | | | | .2 | .1 | .2 | | | | | | | | 9 | 9 | | | | |
| 68/ 67 | | | | | .1 | .1 | .2 | .1 | .1 | .1 | .1 | | | | | | | 11 | 11 | | | | |
| 66/ 65 | | | | | .1 | .2 | .2 | | .3 | .2 | .1 | .1 | | | | | | 21 | 21 | | | | |
| 64/ 63 | | | | | .2 | .3 | .4 | .6 | .4 | .3 | .1 | | | | | | | 43 | 43 | | | | |
| 62/ 61 | | | | .2 | .3 | 1.1 | .7 | 1.1 | .7 | .3 | .1 | | | | | | | 83 | 83 | | | | |
| 60/ 59 | | .2 | .2 | .3 | .6 | 1.0 | 1.2 | 1.3 | .4 | .3 | | | | | | | | 102 | 102 | 3 | | | |
| 58/ 57 | | .1 | .3 | .6 | .9 | 2.1 | 1.7 | 1.9 | 1.1 | .3 | .1 | | | | | | | 169 | 169 | 9 | 3 | | |
| 56/ 55 | | .5 | .7 | 1.0 | 2.3 | 2.4 | 2.2 | 1.5 | .7 | .3 | | | | | | | | 216 | 217 | 22 | 4 | | |
| 54/ 53 | .1 | .5 | 1.2 | 1.7 | 2.4 | 2.7 | 2.4 | .8 | .2 | | | | | | | | | 222 | 222 | 47 | 4 | | |
| 52/ 51 | .1 | .5 | 1.0 | 2.5 | 1.8 | 3.0 | 1.5 | .7 | .5 | | | | | | | | | 215 | 216 | 89 | 25 | | |
| 50/ 49 | .1 | .6 | 1.6 | 2.1 | 2.8 | 2.8 | .9 | .1 | | | | | | | | | | 204 | 204 | 139 | 36 | | |
| 48/ 47 | .1 | 1.1 | 1.2 | 1.3 | 2.1 | 1.9 | .6 | .2 | | | | | | | | | | 159 | 159 | 217 | 36 | | |
| 46/ 45 | | 1.8 | 1.5 | 2.1 | 1.7 | 1.0 | .2 | .1 | | | | | | | | | | 155 | 155 | 263 | 75 | | |
| 44/ 43 | .2 | 1.3 | .9 | .9 | 1.3 | .3 | .1 | | | | | | | | | | | 93 | 93 | 283 | 99 | | |
| 42/ 41 | .2 | .8 | .7 | 1.0 | 1.0 | .2 | | | | | | | | | | | | 73 | 73 | 297 | 155 | | |
| 40/ 39 | | .8 | .5 | .8 | .5 | .1 | | | | | | | | | | | | 49 | 49 | 200 | 168 | | |
| 38/ 37 | | .2 | .1 | .3 | .5 | .1 | | | | | | | | | | | | 22 | 22 | 130 | 125 | | |
| 36/ 35 | | | .2 | .2 | .1 | | | | | | | | | | | | | 9 | 9 | 82 | 158 | | |
| 34/ 33 | | .1 | .1 | .1 | .1 | | | | | | | | | | | | | 5 | 5 | 43 | 145 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 19 | 160 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 14 | 134 | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 4 | 93 | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 104 | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 93 | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 77 | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 37 | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 35 | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 22 | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 20 | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 17 | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 8 | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 5 | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 4 | | |
| Element (X) | Σ X ² | | Σ X | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

MAR
MONTH

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
ILR 04
0.26-5 (QLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|---------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 2/ 1 0/ -1 | | | | | | | | | | | | | | | | | | | | | 3 3 | |
| TOTAL | .9 | 11.0 | 15.0 | 19.6 | 20.6 | 13.7 | 9.7 | 6.3 | 2.4 | .5 | .2 | | | | | | | 2158 | 2159 | 2158 | 2159 | |
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USAFETAC FORM 0-26.5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

73104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45, 47-74
YEARS

MAR
MONTH

PAGE 1

0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 72/ 71 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | | | | | |
| 70/ 69 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | | | | | |
| 68/ 67 | | | | | | | | .0 | | .0 | .1 | | | | | | | 10 | 10 | | | | | | |
| 66/ 65 | | | | | | | .1 | | .2 | .1 | .2 | | | | | | | 17 | 17 | | | | | | |
| 64/ 63 | | | | | .1 | .1 | .2 | .1 | .4 | .3 | .0 | | | | | | | 32 | 32 | | | | | | |
| 62/ 61 | | | | .2 | .2 | .3 | .3 | .5 | .7 | .3 | | | | | | | | 66 | 66 | | | | | | |
| 60/ 59 | | .2 | .0 | .1 | .3 | .3 | .7 | .8 | .4 | .1 | .0 | | | | | | | 85 | 85 | | | | | | |
| 58/ 57 | | .1 | .2 | .3 | .6 | .0 | 1.0 | 1.4 | .3 | .3 | | | | | | | | 139 | 139 | 5 | | | | | |
| 56/ 55 | | .5 | .6 | .8 | 1.3 | 1.3 | 1.7 | .8 | .5 | .0 | | | | | | | | 202 | 202 | 17 | | | | | |
| 54/ 53 | .0 | .3 | .5 | 1.5 | 1.8 | 2.1 | 1.8 | 1.0 | .1 | .1 | | | | | | | | 252 | 252 | 37 | | | | | |
| 52/ 51 | .1 | .3 | 1.2 | 1.5 | 2.7 | 1.5 | 2.3 | .6 | .1 | | | | | | | | | 280 | 280 | 72 | | | | | |
| 50/ 49 | .0 | .8 | 1.6 | 2.6 | 2.1 | 1.9 | 1.0 | .5 | | | | | | | | | | 292 | 292 | 109 | | | | | |
| 48/ 47 | | 1.1 | 2.5 | 2.8 | 2.5 | 1.4 | .7 | .3 | .0 | | | | | | | | | 305 | 305 | 229 | | | | | |
| 46/ 45 | .1 | 1.4 | 2.1 | 3.2 | 1.8 | 1.7 | .5 | .3 | | | | | | | | | | 301 | 301 | 323 | | | | | |
| 44/ 43 | | 1.4 | 2.0 | 1.8 | 1.4 | .7 | .4 | | | | | | | | | | | 208 | 208 | 408 | | | | | |
| 42/ 41 | .1 | 1.2 | 1.8 | 1.1 | 1.0 | .7 | .3 | | | | | | | | | | | 171 | 171 | 385 | | | | | |
| 40/ 39 | .1 | .9 | 1.3 | 1.1 | .7 | .2 | | | | | | | | | | | | 115 | 115 | 345 | | | | | |
| 38/ 37 | .1 | 1.3 | .9 | 1.1 | .3 | .2 | | | | | | | | | | | | 103 | 103 | 256 | | | | | |
| 36/ 35 | .0 | .8 | .7 | .5 | .2 | .1 | | | | | | | | | | | | 62 | 62 | 208 | | | | | |
| 34/ 33 | .0 | .3 | .4 | .1 | | | | | | | | | | | | | | 34 | 34 | 123 | | | | | |
| 32/ 31 | .1 | .0 | .3 | .1 | .1 | | | | | | | | | | | | | 16 | 16 | 105 | | | | | |
| 30/ 29 | | | .1 | | | | | | | | | | | | | | | 3 | 3 | 40 | | | | | |
| 28/ 27 | | .1 | | .0 | | | | | | | | | | | | | | 3 | 3 | 27 | | | | | |
| 26/ 25 | | .1 | | .1 | | | | | | | | | | | | | | 4 | 4 | 6 | | | | | |
| 24/ 23 | | .0 | .0 | | | | | | | | | | | | | | | 2 | 2 | 4 | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | 2 | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

MAR
MONTH

0600-0800
HOURS (L. S. T.)

[illegible]

0.26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 44

USAFETAC

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-45, 47-74

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 88/ 87 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | | | | | |
| 86/ 85 | | | | | | | | | | | | | | | .1 | .0 | | 3 | 3 | | | | | | |
| 84/ 83 | | | | | | | | | | | | | .0 | .0 | .0 | .0 | | 4 | 4 | | | | | | |
| 82/ 81 | | | | | | | | | | | | | .1 | .2 | .1 | .0 | .0 | 13 | 13 | | | | | | |
| 80/ 79 | | | | | | | | | .0 | .0 | | .1 | .2 | .4 | .1 | | | 26 | 26 | | | | | | |
| 78/ 77 | | | | | | | | | .1 | .1 | .1 | .2 | .7 | .3 | .2 | | | 48 | 48 | | | | | | |
| 76/ 75 | | | | | | | | | .1 | .1 | .6 | 1.0 | 1.0 | .3 | .1 | | | 93 | 93 | | | | | | |
| 74/ 73 | | | | | | .0 | | .1 | .2 | .4 | .7 | 1.5 | .8 | .1 | | | | 110 | 110 | | | | | | |
| 72/ 71 | | | | | | | .1 | .3 | .8 | .5 | 1.6 | 1.4 | .5 | .1 | | | | 151 | 151 | | | | | | |
| 70/ 69 | | | | | | | .2 | .6 | 1.7 | 1.7 | 1.9 | .7 | .1 | | | | | 195 | 195 | | | | | | |
| 68/ 67 | | | | | | | .1 | .5 | .8 | 1.4 | 1.7 | 1.8 | .7 | .1 | | | | 208 | 208 | | | | | | |
| 66/ 65 | | | | .0 | .0 | .3 | 1.0 | 1.4 | 2.5 | 2.0 | 1.2 | .3 | | | | | | 255 | 255 | | | | | | |
| 64/ 63 | | | .0 | .1 | .1 | .7 | 1.8 | 1.8 | 1.8 | 1.4 | .6 | .2 | | | | | | 246 | 246 | 3 | | | | | |
| 62/ 61 | | | .0 | .4 | .5 | 1.3 | 2.2 | 1.8 | 1.5 | 1.4 | .3 | .0 | | | | | | 273 | 273 | 3 | | | | | |
| 60/ 59 | | .1 | .1 | .4 | 1.0 | 1.5 | 2.0 | 1.7 | 1.1 | .9 | .2 | | | | | | | 260 | 260 | 13 | 1 | | | | |
| 58/ 57 | | .1 | .2 | .5 | 1.0 | 1.6 | 1.3 | 1.5 | .8 | .2 | .0 | | | | | | | 211 | 211 | 59 | 2 | | | | |
| 56/ 55 | | .0 | .3 | .5 | 1.2 | 1.8 | 1.2 | 1.0 | .6 | .3 | | | | | | | | 198 | 199 | 162 | 6 | | | | |
| 54/ 53 | .0 | .0 | .5 | 1.1 | 1.5 | 1.2 | .5 | .2 | .5 | .0 | | | | | | | | 182 | 182 | 306 | 10 | | | | |
| 52/ 51 | .1 | .1 | .7 | 1.3 | .8 | .7 | .5 | .4 | .3 | | | | | | | | | 141 | 141 | 438 | 27 | | | | |
| 50/ 49 | | .1 | 1.0 | 1.0 | .6 | .5 | .7 | .2 | .0 | | | | | | | | | 120 | 120 | 469 | 46 | | | | |
| 48/ 47 | .0 | .3 | .8 | .4 | .3 | .3 | .2 | .1 | | | | | | | | | | 71 | 71 | 429 | 69 | | | | |
| 46/ 45 | .0 | .4 | .5 | .2 | .2 | .1 | .1 | | | | | | | | | | | 48 | 48 | 403 | 112 | | | | |
| 44/ 43 | .0 | .1 | .1 | .2 | .1 | .0 | .1 | | | | | | | | | | | 20 | 20 | 248 | 169 | | | | |
| 42/ 41 | .0 | .1 | .1 | | | | | | | | | | | | | | | 6 | 6 | 152 | 215 | | | | |
| 40/ 39 | | | .1 | | .1 | .0 | | | | | | | | | | | | 6 | 6 | 112 | 235 | | | | |
| 38/ 37 | .0 | .1 | | | | .0 | | | | | | | | | | | | 5 | 5 | 59 | 249 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 26 | 223 | | | | |
| 34/ 33 | | | .0 | | .0 | | | | | | | | | | | | | 2 | 2 | 9 | 222 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2 | 229 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 2 | 197 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 158 | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | 158 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 120 | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 107 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_X | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | |
| Ref. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC
26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
MAY 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-45, 47-74

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|--------------------|----------|-----------|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | |
| 94/ 93 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 92/ 91 | | | | | | | | | | | | | | | | | .1 | 3 | 3 | | |
| 90/ 89 | | | | | | | | | | | | | | | | | .3 | 10 | 10 | | |
| 88/ 87 | | | | | | | | | | | | .0 | | .0 | .3 | .2 | .3 | 24 | 24 | | |
| 86/ 85 | | | | | | | | | | | | | | .2 | .7 | .7 | .2 | 54 | 54 | | |
| 84/ 83 | | | | | | | | | | | | | .3 | .7 | 1.1 | .7 | .1 | 82 | 82 | | |
| 82/ 81 | | | | | | | | | | | .1 | .2 | .6 | 1.3 | 1.1 | .4 | .1 | 111 | 111 | | |
| 80/ 79 | | | | | | | | .0 | | .2 | .4 | .9 | 1.5 | 2.4 | 1.0 | .2 | | 193 | 193 | | |
| 78/ 77 | | | | | | | .0 | .0 | .0 | .2 | .6 | 2.1 | 1.9 | 2.0 | .4 | | | 214 | 214 | | |
| 76/ 75 | | | | | | | | .2 | .7 | 1.1 | 2.7 | 2.3 | .9 | .0 | | | | 230 | 230 | | |
| 74/ 73 | | | | | | | | .1 | .6 | 1.0 | 2.0 | 1.9 | 1.5 | .7 | | | | 229 | 229 | | |
| 72/ 71 | | | | | | | .0 | .3 | .8 | 2.3 | 2.2 | 1.5 | 1.3 | .2 | .1 | | | 253 | 253 | | |
| 70/ 69 | | | | | | | .2 | .8 | 1.7 | 2.1 | 1.7 | 1.4 | .7 | .1 | | | | 253 | 253 | | |
| 68/ 67 | | | | | | .1 | .7 | .9 | 1.9 | 1.4 | 1.4 | .9 | .1 | | | | | 213 | 213 | | |
| 66/ 65 | | | | | .1 | .3 | .4 | 1.4 | 1.7 | 1.0 | 1.2 | .5 | .1 | | | | | 195 | 195 | 3 | |
| 64/ 63 | | | | .0 | .1 | .5 | .8 | 1.5 | .8 | .8 | .8 | .2 | .1 | | | | | 164 | 164 | 2 | |
| 62/ 61 | | | .1 | .0 | .2 | .7 | .8 | .8 | 1.4 | 1.1 | .3 | .1 | | | | | | 157 | 157 | 15 | |
| 60/ 59 | | .1 | .0 | .2 | .3 | 1.0 | 1.4 | 1.1 | .7 | .5 | .1 | | | | | | | 161 | 161 | 77 | 1 |
| 58/ 57 | | | .2 | .2 | .4 | .8 | .8 | .6 | .5 | .5 | .1 | | | | | | | 114 | 114 | 218 | 4 |
| 56/ 55 | | | .0 | .5 | .6 | .4 | .5 | .2 | .4 | .1 | | | | | | | | 82 | 82 | 397 | 2 |
| 54/ 53 | | .0 | .0 | .4 | .4 | .2 | .4 | .3 | .2 | | | | | | | | | 56 | 56 | 512 | 7 |
| 52/ 51 | | .1 | .2 | .4 | .1 | .3 | .1 | .1 | .1 | | | | | | | | | 39 | 39 | 479 | 12 |
| 50/ 49 | | .1 | .4 | .3 | .2 | .2 | .0 | .1 | | | | | | | | | | 36 | 36 | 401 | 38 |
| 48/ 47 | .0 | .2 | .2 | .1 | .0 | .0 | | | | | | | | | | | | 19 | 19 | 290 | 66 |
| 46/ 45 | | .2 | .1 | | .0 | | .0 | | | | | | | | | | | 11 | 11 | 250 | 92 |
| 44/ 43 | .0 | .1 | .1 | | | | | | | | | | | | | | | 6 | 6 | 128 | 129 |
| 42/ 41 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 80 | 158 |
| 40/ 39 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 45 | 207 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 12 | 229 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 2 | 266 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 1 | 235 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 197 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 203 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 168 |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

2

PSYCHROMETRIC SUMMARY

42-45, 47-74

MAR

STATION

STATION NAME

YEARS

PAGE 2

MONTH

1200-1400

HOURS (L. S. T.)

0-26-5 (GLA)

JSAFETAC

PSYCHROMETRIC SUMMARY

MONTH

1500-1700

HOURS (L, S, T.)

[illegible]

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-45, 47-74

HAR

STATION

STATION NAME

YEARS

MONTH

PAGE 2

1500-1700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|-----------|----------|----------|-----------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 90/ 89 | | | | | | | | | | | | | | | | | .1 | 3 | 3 | | | | |
| 88/ 87 | | | | | | | | | | | | | | .0 | .0 | .1 | | 4 | 4 | | | | |
| 86/ 85 | | | | | | | | | | | | | | .0 | .2 | .2 | .1 | 15 | 15 | | | | |
| 84/ 83 | | | | | | | | | | | | | .0 | .4 | .1 | .2 | | 18 | 18 | | | | |
| 82/ 81 | | | | | | | | | | | | .2 | .3 | .6 | .5 | .2 | .0 | 45 | 45 | | | | |
| 80/ 79 | | | | | | | | | | | .0 | .4 | 1.0 | .7 | .5 | .2 | | 71 | 71 | | | | |
| 78/ 77 | | | | | | | | | | .2 | .4 | .7 | 1.2 | .8 | .2 | | | 90 | 90 | | | | |
| 76/ 75 | | | | | | | | .1 | .3 | .8 | 1.7 | 1.1 | .7 | .0 | | | | 121 | 121 | | | | |
| 74/ 73 | | | | | | | | .0 | .4 | 1.3 | 1.2 | 1.7 | 1.1 | .4 | | | | 155 | 155 | | | | |
| 72/ 71 | | | | .0 | | .1 | .4 | .7 | .9 | 2.0 | 2.2 | .7 | .1 | .0 | | | | 181 | 181 | | | | |
| 70/ 69 | | | | | | .1 | .3 | .8 | 1.6 | 2.3 | 2.0 | 1.4 | .2 | | | | | 221 | 221 | | | | |
| 68/ 67 | | | | | .1 | .1 | .5 | 1.1 | 2.1 | 2.8 | 1.7 | .6 | .1 | | | | | 228 | 228 | | | | |
| 66/ 65 | .0 | | | | .0 | .2 | 1.1 | 1.9 | 2.1 | 2.0 | 1.0 | .4 | .1 | | | | | 224 | 224 | 1 | | | |
| 64/ 63 | | | | | .2 | .6 | 1.7 | 2.0 | 2.2 | 1.3 | .4 | .2 | | | | | | 216 | 216 | 1 | | | |
| 62/ 61 | | | .0 | .2 | .6 | .7 | 1.3 | 1.6 | 1.5 | 1.1 | .2 | | | | | | | 182 | 182 | 5 | | | |
| 60/ 59 | | .1 | .0 | .1 | .6 | 1.0 | 1.6 | 2.1 | 1.4 | .5 | .1 | | | | | | | 194 | 194 | 35 | 2 | | |
| 58/ 57 | | .0 | .2 | .4 | .5 | .9 | 1.1 | 1.4 | .6 | .4 | | | | | | | | 141 | 141 | 106 | 2 | | |
| 56/ 55 | | .2 | .2 | .5 | .8 | .7 | 1.1 | .7 | .7 | .0 | | | | | | | | 126 | 126 | 214 | 1 | | |
| 54/ 53 | | .0 | .3 | .5 | .6 | .6 | .5 | .4 | .2 | .0 | | | | | | | | 81 | 81 | 360 | 12 | | |
| 52/ 51 | | .0 | .4 | .5 | .7 | .6 | .4 | .4 | .0 | | | | | | | | | 78 | 78 | 413 | 21 | | |
| 50/ 49 | | .2 | .7 | .2 | .3 | .2 | .4 | .2 | | | | | | | | | | 57 | 57 | 413 | 37 | | |
| 48/ 47 | | .3 | .5 | .2 | .1 | .2 | .2 | .1 | | | | | | | | | | 40 | 40 | 341 | 45 | | |
| 46/ 45 | | .7 | .4 | | .0 | .0 | .1 | .0 | | | | | | | | | | 34 | 34 | 260 | 108 | | |
| 44/ 43 | | .1 | .0 | .0 | | .0 | .0 | | | | | | | | | | | 7 | 7 | 197 | 119 | | |
| 42/ 41 | | | .2 | | | | | | | | | | | | | | | 4 | 4 | 91 | 173 | | |
| 40/ 39 | | | | .1 | | | | | | | | | | | | | | 2 | 2 | 56 | 194 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 27 | 200 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 10 | 192 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 7 | 202 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 1 | 207 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 208 | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 151 | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 140 | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 121 | | |
| Element (X) | Σ x² | | | Σ x | | | x̄ | | | σ _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MAR
MONTH

1800-2000
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-45,47-74

MAR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 80/ 79 | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | | | | |
| 76/ 75 | | | | | | | | | | | | .0 | .1 | | | | | 3 | 3 | | | | | |
| 74/ 73 | | | | | | | | .0 | .1 | .1 | .0 | .1 | .1 | | | | | 12 | 12 | | | | | |
| 72/ 71 | | | | | | | | .1 | .1 | .4 | .3 | .2 | .1 | .0 | | | | 28 | 28 | | | | | |
| 70/ 69 | | | | | | .0 | .0 | .2 | .2 | .7 | .8 | .3 | .0 | | | | | 52 | 52 | | | | | |
| 68/ 67 | | | | | | .1 | .4 | .7 | .8 | .7 | .5 | .1 | .0 | | | | | 71 | 71 | | | | | |
| 66/ 65 | | | | .0 | .0 | .2 | .7 | .8 | 1.3 | 1.0 | 1.2 | .1 | | | | | | 116 | 116 | | | | | |
| 64/ 63 | | | | .1 | .2 | .9 | .8 | 2.2 | 2.0 | 1.8 | .3 | | | | | | | 178 | 178 | | | | | |
| 62/ 61 | | | .0 | .2 | .6 | 1.4 | 1.9 | 2.0 | 1.5 | 1.0 | .4 | | | | | | | 193 | 193 | | | | | |
| 60/ 59 | | .1 | | .3 | .8 | 2.4 | 2.7 | 2.2 | 1.8 | .4 | .2 | | | | | | | 235 | 235 | 5 | | | | |
| 58/ 57 | | .1 | .3 | .7 | 1.9 | 2.7 | 2.6 | 2.6 | 1.1 | .4 | .1 | | | | | | | 267 | 267 | 20 | 4 | | | |
| 56/ 55 | | .3 | .7 | .9 | 2.0 | 1.9 | 3.1 | 1.1 | .6 | .2 | | | | | | | | 232 | 232 | 37 | | | | |
| 54/ 53 | .1 | .1 | .3 | 1.7 | 1.0 | 1.9 | 1.7 | 1.0 | .4 | .0 | | | | | | | | 179 | 179 | 120 | 10 | | | |
| 52/ 51 | .0 | .1 | .9 | 1.1 | 1.1 | 2.0 | 1.1 | .7 | .1 | | | | | | | | | 154 | 154 | 188 | 17 | | | |
| 50/ 49 | | .2 | 1.4 | .9 | 1.0 | 1.6 | .7 | .5 | | | | | | | | | | 137 | 137 | 299 | 36 | | | |
| 48/ 47 | | .8 | 1.3 | 1.4 | .8 | .9 | .4 | | | | | | | | | | | 123 | 123 | 367 | 47 | | | |
| 46/ 45 | | .9 | 1.0 | .6 | .7 | .9 | .2 | | | | | | | | | | | 91 | 91 | 325 | 94 | | | |
| 44/ 43 | .1 | .6 | .4 | .2 | .4 | .4 | .0 | | | | | | | | | | | 46 | 46 | 300 | 153 | | | |
| 42/ 41 | .0 | .1 | .1 | .2 | .1 | .2 | | | | | | | | | | | | 18 | 18 | 214 | 156 | | | |
| 40/ 39 | | .0 | | .1 | .1 | .2 | | | | | | | | | | | | 9 | 9 | 125 | 174 | | | |
| 38/ 37 | | .1 | | .0 | | | | | | | | | | | | | | 3 | 3 | 79 | 167 | | | |
| 36/ 35 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 44 | 171 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 13 | 142 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 9 | 156 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 3 | 165 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 125 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 111 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 107 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 90 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 65 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 40 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 34 | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 29 | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

2100-2300
HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-60,64-65,73-74

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|-----------|-----|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 82/ 81 | | | | | | | | | | | | .1 | | | | | | 1 | 1 | | | | | | |
| 80/ 79 | | | | | | | | | | | | | .1 | | | | | 1 | 1 | | | | | | |
| 78/ 77 | | | | | | | | | | .2 | .1 | .2 | .1 | .1 | .1 | | | 6 | 6 | | | | | | |
| 76/ 75 | | | | | | | | | .2 | .1 | .2 | .1 | .1 | .1 | .1 | | | 10 | 10 | | | | | | |
| 74/ 73 | | | | | | | | | .3 | .3 | .5 | .3 | .2 | | | | | 29 | 29 | | | | | | |
| 72/ 71 | | | | | | | | .1 | .5 | .8 | 1.5 | .3 | .1 | | | | | 61 | 61 | | | | | | |
| 70/ 69 | | | | | .1 | .2 | .2 | .5 | 1.1 | 1.5 | 1.3 | .8 | .2 | | | | | 111 | 111 | | | | | | |
| 68/ 67 | | | | | .3 | .2 | .5 | 1.0 | 1.8 | 2.3 | .8 | .3 | .1 | | | | | 137 | 137 | | | | | | |
| 66/ 65 | | | | .1 | .1 | .2 | 1.3 | 1.9 | 2.5 | 2.1 | 1.1 | .1 | | | | | | 178 | 178 | | | | | | |
| 64/ 63 | | | | .1 | .3 | .8 | 1.7 | 2.5 | 3.8 | 1.5 | .2 | .1 | | | | | | 209 | 209 | | | | | | |
| 62/ 61 | | .2 | .2 | .3 | .6 | .7 | 2.2 | 3.2 | 2.7 | .5 | .2 | | | | | | | 199 | 199 | 2 | | | | | |
| 60/ 59 | | .2 | .1 | .3 | .7 | 2.6 | 3.4 | 2.9 | 1.6 | .2 | | | | | | | | 229 | 229 | 22 | | | | | |
| 58/ 57 | | .1 | .5 | .4 | .7 | 2.1 | 2.3 | 1.9 | .8 | | | | | | | | | 166 | 166 | 30 | 6 | | | | |
| 56/ 55 | | .1 | .5 | .4 | 1.4 | 2.4 | 1.8 | 1.2 | .5 | | | | | | | | | 157 | 157 | 74 | 8 | | | | |
| 54/ 53 | | .2 | .5 | .7 | .8 | 1.4 | 1.7 | .9 | | | | | | | | | | 117 | 117 | 138 | 18 | | | | |
| 52/ 51 | | .8 | .7 | .6 | .7 | 1.1 | 1.3 | .4 | | | | | | | | | | 105 | 105 | 246 | 17 | | | | |
| 50/ 49 | | .3 | .5 | .6 | .7 | 1.0 | .6 | .2 | | | | | | | | | | 74 | 74 | 323 | 27 | | | | |
| 48/ 47 | | .3 | .7 | .3 | .3 | 1.1 | .3 | .1 | | | | | | | | | | 57 | 57 | 372 | 64 | | | | |
| 46/ 45 | | .2 | .4 | .2 | .3 | .2 | .2 | .1 | | | | | | | | | | 30 | 30 | 276 | 75 | | | | |
| 44/ 43 | | .3 | .2 | | .1 | .1 | | | | | | | | | | | | 11 | 11 | 158 | 74 | | | | |
| 42/ 41 | .1 | .2 | .1 | .1 | .1 | | | | | | | | | | | | | 9 | 9 | 125 | 158 | | | | |
| 40/ 39 | .2 | | | | | | | | | | | | | | | | | 3 | 3 | 83 | 148 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 31 | 149 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 14 | 170 | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | 179 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2 | 176 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 143 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 111 | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 116 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 91 | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 60 | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 39 | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 40 | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 24 | | | | |
| Element (X) | Σx^2 | | Σx | | \bar{x} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

APR

YEARS

MONTH

0000-0200

HOURS (L - S - T)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

APR

STATION

STATION NAME

YEARS

PAGE 1

0300-0500

HOURS (L. S. T.)

| Temp (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|------------------------------------|-------------------------------------|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B.-W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 76/ 75 | | | | | | | | | | .1 | .0 | .0 | .0 | | | | | 5 | 5 | | | | | |
| 74/ 73 | | | | | | | | | .0 | .1 | .0 | | | | | | | 4 | 4 | | | | | |
| 72/ 71 | | | | | | | | | .4 | .3 | .2 | .0 | .0 | | | | | 21 | 21 | | | | | |
| 70/ 69 | | | | | | | .1 | .2 | .2 | .3 | .3 | .1 | .1 | | | | | 27 | 27 | | | | | |
| 68/ 67 | | | | | | .0 | .1 | .6 | .4 | 1.0 | .6 | .2 | | | | | | 64 | 64 | | | | | |
| 66/ 65 | | | | .2 | .1 | .2 | .3 | .7 | 1.2 | .9 | .2 | .0 | | | | | | 85 | 85 | | | | | |
| 64/ 63 | | | | .0 | .2 | .6 | .7 | 2.0 | 2.2 | 1.2 | .2 | | | | | | | 154 | 154 | | | | | |
| 62/ 61 | | | .1 | .3 | .4 | 1.1 | 1.8 | 2.5 | 2.1 | 1.1 | .1 | .0 | | | | | | 209 | 209 | 1 | | | | |
| 60/ 59 | | .1 | .2 | .4 | .5 | 1.7 | 2.3 | 3.5 | 1.7 | .6 | .3 | | | | | | | 244 | 244 | 4 | | | | |
| 58/ 57 | | .2 | .1 | .6 | 1.6 | 1.8 | 3.0 | 2.9 | 1.0 | .1 | | | | | | | | 248 | 248 | 21 | 3 | | | |
| 56/ 55 | | .6 | .3 | .9 | 1.6 | 2.6 | 2.6 | 1.6 | .7 | | | | | | | | | 236 | 236 | 48 | 8 | | | |
| 54/ 53 | | .1 | .7 | .6 | 1.7 | 3.2 | 1.9 | .8 | .1 | | | | | | | | | 198 | 198 | 93 | 12 | | | |
| 52/ 51 | | .5 | .6 | .5 | 1.9 | 2.4 | 1.9 | .8 | .2 | | | | | | | | | 193 | 193 | 125 | 27 | | | |
| 50/ 49 | | .4 | 1.1 | 1.1 | 1.7 | 2.3 | 1.4 | .2 | .0 | | | | | | | | | 180 | 180 | 289 | 32 | | | |
| 48/ 47 | | .5 | 1.1 | .5 | 1.2 | 1.6 | .7 | .1 | | | | | | | | | | 123 | 123 | 306 | 43 | | | |
| 46/ 45 | | .1 | .5 | .7 | .8 | 1.2 | .3 | .1 | | | | | | | | | | 82 | 82 | 402 | 65 | | | |
| 44/ 43 | | .3 | .6 | .3 | .6 | .5 | .0 | .0 | | | | | | | | | | 52 | 52 | 292 | 103 | | | |
| 42/ 41 | | .2 | .4 | .2 | .5 | .3 | | | | | | | | | | | | 35 | 35 | 219 | 111 | | | |
| 40/ 39 | | .2 | .0 | .1 | .3 | .1 | | | | | | | | | | | | 15 | 15 | 173 | 158 | | | |
| 38/ 37 | .0 | | .0 | .0 | .1 | .0 | | | | | | | | | | | | 6 | 6 | 104 | 154 | | | |
| 36/ 35 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 60 | 181 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 27 | 193 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 13 | 214 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 3 | 170 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 1 | 126 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 165 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 104 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 111 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 59 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 54 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 26 | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 30 | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 12 | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | |
| | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | |
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USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

42-74

APR

MONTH

PAGE 2

0300-0500

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 8 | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 4 | |
| TOTAL | .0 | 3.3 | 5.8 | 6.6 | 13.1 | 19.7 | 17.1 | 16.0 | 10.3 | 5.7 | 1.7 | .5 | .2 | | | | | | 2182 | | 2182 | |
| | | | | | | | | | | | | | | | | | | | 2182 | | 2182 | |
| | | | | | | | | | | | | | | | | | | | | | | |
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USAFETAC FORM 0-26-5 (UL A) REVISID PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
JUL 64

21

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

APR

STATION

STATION NAME

YEARS

PAGE 1

0600-0800

HOURS (L. S. T.)

| T _{db} (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|------------------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-----|------------------------------------|--------|--------|--------|--------|--------|-------|-------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15 | 16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 84/ 83 | | | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | | | |
| 82/ 81 | | | | | | | | | | | | .0 | .0 | .1 | .0 | | | | | 5 | 5 | | | | |
| 80/ 79 | | | | | | | | | | | .0 | .1 | .0 | .1 | .1 | | | | | 10 | 10 | | | | |
| 78/ 77 | | | | | | | | | | .0 | .1 | .1 | .1 | .1 | .1 | | | | | 11 | 11 | | | | |
| 76/ 75 | | | | | | | | | | .2 | .1 | .4 | .4 | .2 | | | | | | 35 | 35 | | | | |
| 74/ 73 | | | | | | | .0 | | .1 | .3 | .6 | .4 | .1 | .0 | | | | | | 47 | 47 | | | | |
| 72/ 71 | | | | | | | .0 | .2 | .6 | .7 | .8 | .3 | .0 | | | | | | | 72 | 72 | | | | |
| 70/ 69 | | | | | | .0 | .1 | .3 | .9 | 1.2 | .5 | .2 | .0 | | | | | | | 88 | 88 | | | | |
| 68/ 67 | | | | | .1 | .2 | .3 | 1.0 | 1.0 | 1.4 | 1.0 | .2 | | | | | | | | 142 | 142 | | | | |
| 66/ 65 | | | | | .2 | .2 | .6 | 1.3 | 2.1 | 1.4 | .4 | .1 | | | | | | | | 173 | 173 | | | | |
| 64/ 63 | | | | .1 | .3 | .7 | 1.3 | 1.9 | 1.8 | 1.1 | .4 | .1 | | | | | | | | 210 | 210 | | | | |
| 62/ 61 | | .1 | .1 | .1 | .4 | .8 | 1.9 | 2.3 | 1.7 | .9 | .1 | | | | | | | | | 230 | 230 | 7 | | | |
| 60/ 59 | | .0 | .3 | .4 | .5 | 1.4 | 1.9 | 2.2 | 1.7 | .6 | .0 | | | | | | | | | 246 | 246 | 18 | | | |
| 58/ 57 | | | .3 | .6 | 1.0 | 1.8 | 2.8 | 2.6 | 1.2 | .0 | | | | | | | | | | 280 | 280 | 45 | 3 | | |
| 56/ 55 | | .1 | .2 | .7 | 1.3 | 1.8 | 2.9 | 1.6 | .8 | .1 | | | | | | | | | | 256 | 256 | 101 | 7 | | |
| 54/ 53 | | .1 | .3 | .7 | 1.2 | 1.7 | 1.8 | 1.0 | .4 | | | | | | | | | | | 196 | 196 | 198 | 13 | | |
| 52/ 51 | .0 | .3 | .6 | .8 | 1.5 | 1.8 | 2.0 | .8 | .2 | | | | | | | | | | | 219 | 219 | 262 | 29 | | |
| 50/ 49 | | .2 | .9 | .7 | 1.3 | 1.5 | 1.5 | .3 | .1 | | | | | | | | | | | 172 | 172 | 359 | 44 | | |
| 48/ 47 | .0 | .1 | .4 | .7 | .9 | 1.2 | .8 | .1 | | | | | | | | | | | | 116 | 116 | 343 | 57 | | |
| 46/ 45 | | .2 | .5 | .8 | .8 | .9 | .2 | .0 | | | | | | | | | | | | 95 | 95 | 372 | 78 | | |
| 44/ 43 | | .3 | .1 | .3 | .7 | .4 | .1 | | | | | | | | | | | | | 51 | 51 | 323 | 131 | | |
| 42/ 41 | | .1 | .3 | .1 | .3 | .1 | .0 | | | | | | | | | | | | | 29 | 29 | 254 | 171 | | |
| 40/ 39 | .0 | .1 | .1 | .2 | .2 | .1 | | | | | | | | | | | | | | 19 | 19 | 181 | 185 | | |
| 38/ 37 | | | | .1 | .0 | .0 | | | | | | | | | | | | | | 4 | 4 | 134 | 189 | | |
| 36/ 35 | | | .1 | .1 | .1 | | | | | | | | | | | | | | | 6 | 6 | 59 | 246 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | 38 | 234 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | 13 | 260 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | 3 | 171 | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | 3 | 169 | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | 199 | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | 152 | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | 128 | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | 72 | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | 68 | | |
| Element (X) | Σ X ² | | Σ X | | X̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

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0.26-5 (OLA)

42-74

YEARS

APR

MONTH

PAGE 1

0900-1100

HOURS (L, S, T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

23104
STATIO

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

APR
MONTH

PAGE 2

0900-1100
HOURS (L. S. T.)

[illegible]

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 100/ 99 | | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | | .4 | 12 | 12 | | | | |
| 95/ 95 | | | | | | | | | | | | | | | .1 | .1 | .1 | 1.3 | 48 | 48 | | | | |
| 94/ 93 | | | | | | | | | | | | | | | .1 | .1 | .2 | 2.2 | 75 | 70 | | | | |
| 92/ 91 | | | | | | | | | | | | | | .1 | .1 | .3 | 1.1 | 2.2 | 112 | 112 | | | | |
| 90/ 89 | | | | | | | | | | | | .1 | .1 | .4 | .7 | 1.8 | 2.0 | 149 | 149 | | | | | |
| 88/ 87 | | | | | | | | | | | .1 | .1 | .1 | 1.0 | 1.6 | 2.1 | 1.3 | 184 | 184 | | | | | |
| 85/ 85 | | | | | | | | | | .0 | .0 | .1 | .3 | 1.2 | 2.1 | 2.5 | 1.0 | 217 | 217 | | | | | |
| 84/ 83 | | | | | | | | | | | .1 | .1 | .2 | 1.6 | 2.2 | 2.5 | 1.6 | .6 | 260 | 260 | | | | |
| 82/ 81 | | | | | | | | | .0 | | .1 | .2 | .7 | 1.6 | 2.3 | 2.2 | .7 | .4 | 240 | 240 | | | | |
| 80/ 79 | | | | | | | | | .0 | .1 | .2 | .6 | 1.7 | 1.8 | 2.7 | 1.6 | .6 | .0 | 265 | 265 | | | | |
| 78/ 77 | | | | | | | | | | .1 | .5 | .9 | 2.0 | 2.1 | 2.1 | .6 | .1 | | 243 | 243 | | | | |
| 76/ 75 | | | | | | | | | | .2 | .2 | .5 | 1.1 | 1.8 | 1.9 | 1.1 | .1 | | 199 | 199 | | | | |
| 74/ 73 | | | | | | | | .1 | .1 | .5 | .8 | 1.2 | 1.2 | 1.3 | .4 | .3 | | | 173 | 173 | | | | |
| 72/ 71 | | | | | .0 | | .0 | .1 | .3 | .5 | .6 | 1.2 | 1.4 | .5 | .1 | | | | 141 | 141 | | | | |
| 70/ 69 | | | | | | | .0 | .1 | .3 | .8 | 1.1 | 1.3 | .8 | .3 | | | | | 138 | 138 | 10 | | | |
| 68/ 67 | | | | | | | .1 | .1 | .3 | .8 | .7 | 1.1 | .4 | .1 | | | | | 108 | 108 | 21 | | | |
| 66/ 65 | | | | | | | .0 | .3 | .5 | .8 | .9 | .7 | .3 | | | | | | 102 | 102 | 23 | | | |
| 64/ 63 | | | | .0 | .1 | | .1 | .2 | .2 | .5 | .7 | .2 | .1 | | | | | | 65 | 65 | 64 | | | |
| 62/ 61 | | | | | .1 | | .3 | .2 | .4 | .5 | .2 | .0 | .0 | | | | | | 55 | 56 | 206 | 2 | | |
| 60/ 59 | | | .0 | .1 | .1 | | .2 | .2 | .5 | .4 | | .1 | | | | | | | 48 | 48 | 357 | 3 | | |
| 58/ 57 | | | .1 | .1 | .2 | | .1 | .2 | .2 | | | | | | | | | | 24 | 24 | 430 | 4 | | |
| 56/ 55 | | .0 | .1 | .2 | .1 | | | .0 | | | | | | | | | | | 12 | 12 | 474 | 16 | | |
| 54/ 53 | | .0 | .1 | .0 | .0 | | | | | | | | | | | | | | 5 | 5 | 433 | 21 | | |
| 52/ 51 | | .1 | .1 | .1 | | | .0 | | | | | | | | | | | | 9 | 9 | 355 | 30 | | |
| 50/ 49 | | | .1 | | | | .0 | | | | | | | | | | | | 3 | 3 | 228 | 37 | | |
| 48/ 47 | | | .0 | .0 | | | | | | | | | | | | | | | 2 | 2 | 145 | 41 | | |
| 46/ 45 | | .1 | | | | | | | | | | | | | | | | | 2 | 2 | 96 | 88 | | |
| 44/ 43 | | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 34 | 116 | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 6 | 135 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 2 | 202 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | 203 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | 218 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | 226 | | |
| Element (X) | Σ X ² | | Σ X | | X̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) JUL 64
REVISIO PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

42-74

APR

MONTH

YEARS

PAGE 2

1200-1400

12.00-140
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

YEARS

APR
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|--------------------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 102/101 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 100/ 99 | | | | | | | | | | | | | | | | | .2 | 5 | 5 | | |
| 98/ 97 | | | | | | | | | | | | | | .1 | .1 | .0 | 1.1 | 38 | 38 | | |
| 96/ 95 | | | | | | | | | | | | .1 | | | .1 | | 2.5 | 75 | 75 | | |
| 94/ 93 | | | | | | | | | | | | | .0 | .2 | .1 | .3 | 2.9 | 99 | 99 | | |
| 92/ 91 | | | | | | | | | | | | | .0 | .1 | .5 | 1.2 | 3.8 | 158 | 158 | | |
| 90/ 89 | | | | | | | | | | | .1 | .1 | .1 | .3 | .6 | 2.0 | 3.4 | 183 | 183 | | |
| 88/ 87 | | | | | | | | | | | .0 | .0 | .1 | .5 | 1.1 | 3.5 | 2.1 | 208 | 208 | | |
| 86/ 85 | | | | | | | | | | .0 | .1 | .0 | .7 | 1.5 | 2.0 | 2.9 | 1.7 | 251 | 251 | | |
| 84/ 83 | | | | | | | | | | | .1 | .4 | 1.1 | 1.8 | 3.1 | 2.5 | 1.0 | 281 | 281 | | |
| 82/ 81 | | | | | | | | | .0 | | .1 | .9 | 1.1 | 1.9 | 2.8 | .7 | .1 | 214 | 214 | | |
| 80/ 79 | | | | | | | | | | .2 | .4 | 1.1 | 2.0 | 2.8 | 1.6 | .3 | .1 | 240 | 240 | | |
| 78/ 77 | | | | | | | | | .1 | .3 | 1.0 | 1.2 | 1.9 | 1.7 | .4 | .1 | | 186 | 186 | | |
| 76/ 75 | | | | | | | | .1 | .3 | .7 | 1.0 | 1.1 | 1.5 | .9 | .1 | | | 159 | 159 | | |
| 74/ 73 | | | | | | | .0 | .2 | .2 | .8 | 1.3 | 1.4 | 1.3 | .5 | .1 | | | 165 | 165 | 2 | |
| 72/ 71 | | | | | | .0 | .2 | .3 | .7 | 1.2 | 1.2 | .4 | .2 | | | | | 121 | 121 | 5 | |
| 70/ 69 | | | | | | | .1 | .1 | .5 | .7 | .9 | .9 | .4 | | | | | 97 | 97 | 9 | |
| 68/ 67 | | | | | | .1 | .2 | .1 | .2 | .7 | 1.0 | .9 | .2 | | | | | 96 | 96 | 14 | |
| 66/ 65 | | | .0 | | .0 | .1 | .2 | .4 | .9 | .5 | .1 | | | | | | | 62 | 62 | 22 | |
| 64/ 63 | | | | | | .1 | .3 | .2 | .3 | .4 | .2 | .1 | | | | | | 44 | 44 | 72 | 2 |
| 62/ 61 | | | | .0 | .1 | .2 | .2 | .4 | .4 | .2 | .1 | .0 | | | | | | 47 | 47 | 230 | 1 |
| 60/ 59 | | | .2 | .1 | .2 | .1 | .2 | .1 | .1 | .1 | | | | | | | | 29 | 29 | 398 | 6 |
| 58/ 57 | | | .2 | .0 | .0 | .2 | .1 | .1 | .0 | | | | | | | | | 18 | 18 | 455 | 5 |
| 56/ 55 | | .1 | .1 | .1 | .1 | .0 | .0 | .0 | | | | | | | | | | 13 | 13 | 489 | 9 |
| 54/ 53 | | | .1 | .1 | .1 | | .0 | | | | | | | | | | | 8 | 8 | 411 | 19 |
| 52/ 51 | | | .1 | .1 | | | | | | | | | | | | | | 4 | 4 | 287 | 25 |
| 50/ 49 | | | | .0 | .0 | | | | | | | | | | | | | 2 | 2 | 173 | 33 |
| 48/ 47 | | .1 | .1 | .0 | | | | | | | | | | | | | | 6 | 6 | 138 | 38 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 73 | 70 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 19 | 104 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 13 | 115 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 174 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 137 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 199 |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

APR
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

0.26-5 (OLA)

USAFETAC FORM 0.26-5 (OLA)

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

APR
MONTH

PAGE 1 1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|----------|----------|-----------|--------------------|-------|--|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 100/ 99 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | | |
| 96/ 95 | | | | | | | | | | | | | | .0 | .0 | | | .2 | 8 | 8 | | | | | |
| 94/ 93 | | | | | | | | | | | | | | .1 | | .0 | | .7 | 20 | 20 | | | | | |
| 92/ 91 | | | | | | | | | | | | | | .0 | | .3 | .9 | 30 | 30 | | | | | | |
| 90/ 89 | | | | | | | | | | | | | | .1 | .3 | .8 | 1.1 | 59 | 59 | | | | | | |
| 88/ 87 | | | | | | | | | | .0 | .0 | .1 | .3 | .9 | 1.4 | .5 | 85 | 85 | | | | | | | |
| 86/ 85 | | | | | | | | | .1 | .0 | .1 | .3 | .7 | 1.2 | 1.1 | .3 | 99 | 99 | | | | | | | |
| 84/ 83 | | | | | | | | .0 | .1 | .1 | .4 | .9 | 1.8 | 1.4 | 1.2 | .3 | 161 | 161 | | | | | | | |
| 82/ 81 | | | | | | | | .2 | .3 | 1.0 | 1.5 | 2.0 | 2.3 | .3 | .2 | 203 | 203 | | | | | | | | |
| 80/ 79 | | | | | | | .1 | .2 | .6 | 1.5 | 2.3 | 2.3 | .8 | .2 | | 203 | 203 | | | | | | | | |
| 78/ 77 | | | | | | | .0 | .2 | .6 | 1.4 | 2.3 | 2.1 | 1.9 | .3 | .1 | 229 | 229 | | | | | | | | |
| 76/ 75 | | | | | | .0 | .1 | .3 | 1.1 | 1.7 | 2.0 | 2.8 | .8 | .3 | | 235 | 235 | | | | | | | | |
| 74/ 73 | | | | | | .0 | .2 | .6 | 2.0 | 2.3 | 2.1 | 1.5 | .2 | .0 | | 231 | 231 | | | | | | | | |
| 72/ 71 | | | | | | .1 | .3 | .3 | 1.1 | 1.2 | 1.9 | 1.8 | .5 | .1 | | 184 | 184 | 1 | | | | | | | |
| 70/ 69 | | | | | | .1 | .3 | .4 | 1.6 | 1.9 | 2.1 | 1.4 | .2 | | | 205 | 205 | 2 | | | | | | | |
| 68/ 67 | | | | .0 | .1 | .1 | .3 | .6 | 1.1 | 1.2 | 1.3 | .6 | .0 | | | 140 | 140 | 8 | | | | | | | |
| 66/ 65 | | | | .1 | .1 | .6 | .7 | .8 | 1.2 | .9 | .2 | .0 | | | | 118 | 118 | 9 | | | | | | | |
| 64/ 63 | | | | .1 | .2 | .3 | .5 | .5 | .7 | 1.2 | .5 | .1 | | | | 95 | 95 | 30 | | | | | | | |
| 62/ 61 | | | | .1 | .2 | .3 | .5 | .5 | .8 | .6 | .1 | .0 | | | | 81 | 81 | 94 | | | | | | | |
| 60/ 59 | | | .2 | .2 | .3 | .3 | .3 | .7 | .3 | .2 | | | | | | 62 | 62 | 229 | 4 | | | | | | |
| 58/ 57 | | | .1 | .0 | .1 | .3 | .3 | .4 | .3 | .0 | | | | | | 42 | 42 | 353 | 6 | | | | | | |
| 56/ 55 | | .1 | .1 | .3 | .1 | .2 | .2 | .2 | .1 | | | | | | | 32 | 32 | 436 | 9 | | | | | | |
| 54/ 53 | | .1 | .1 | .2 | .1 | .1 | .1 | .0 | | | | | | | | 17 | 17 | 419 | 23 | | | | | | |
| 52/ 51 | | .1 | .1 | .2 | | .0 | .1 | .1 | | | | | | | | 14 | 14 | 383 | 36 | | | | | | |
| 50/ 49 | | .1 | .2 | .1 | | .0 | | | | | | | | | | 10 | 10 | 226 | 37 | | | | | | |
| 48/ 47 | | .0 | .0 | | | | | | | | | | | | | 2 | 2 | 182 | 56 | | | | | | |
| 46/ 45 | | .1 | .1 | | | | | | | | | | | | | 4 | 4 | 120 | 78 | | | | | | |
| 44/ 43 | | .0 | | | | | | | | | | | | | | 1 | 1 | 53 | 137 | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | 18 | 172 | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | 8 | 185 | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | 1 | 189 | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 201 | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 107 | | | | | |
| Element (X) | Σ x ² | | | Σ x | | | x̄ | | | e _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISION PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

42-74

YEARS

APR
MONTH

PAGE 2

1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26-5 (OL A)

PSYCHROMETRIC SUMMARY

42-74

APR

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (QLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

APR
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]

0-26.5 (QLA)

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

MAY
MONTH

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HOURS (L. S. T.)

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PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

62-74

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PAGE 1 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

| | | |
|--------------|--------------------------------------|--------------|
| <u>23104</u> | <u>WILLIAMS ' ' ARIZONA/CHANDLER</u> | <u>42-74</u> |
| STATION | STATION NAME | |

MAY
MONTH

PAGE 2 0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 43 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 25 | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 21 | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 12 | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 6 | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 2 | |
| TOTAL | | .8 | 1.3 | 2.1 | 3.2 | 6.2 | 12.8 | 19.5 | 22.1 | 17.5 | 9.4 | 3.8 | .9 | .2 | | .0 | | 2315 | 2325 | 2315 | 2315 | |
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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0600-0800

HOURS (L. S. T.)

| Ter .. (.) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|---------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|-----------|-----|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 90/ 89 | | | | | | | | | | | | | | | .0 | .1 | | 4 | 4 | | | | | | |
| 88/ 87 | | | | | | | | | | | | | .0 | .1 | .2 | | | 10 | 10 | | | | | | |
| 86/ 85 | | | | | | | | | | | .0 | .1 | .1 | .1 | .2 | .0 | | 18 | 18 | | | | | | |
| 84/ 83 | | | | | | | | | | | .1 | .1 | .6 | .6 | .2 | .0 | | 47 | 47 | | | | | | |
| 82/ 81 | | | | | | | | | | | .2 | .5 | .9 | .7 | .1 | .0 | | 71 | 71 | | | | | | |
| 80/ 79 | | | | | | | | .0 | .0 | .2 | .9 | 1.1 | 2.0 | .7 | | .1 | | 140 | 140 | | | | | | |
| 78/ 77 | | | | | | | .1 | .1 | .3 | .5 | 1.1 | 2.2 | 1.4 | .3 | .0 | | | 168 | 168 | | | | | | |
| 76/ 75 | | | | | | .0 | .1 | .1 | .4 | 1.0 | 2.2 | 2.2 | 1.5 | .2 | .0 | | | 217 | 217 | | | | | | |
| 74/ 73 | | | | | .0 | .1 | .1 | .5 | .4 | 1.7 | 2.1 | 2.0 | .4 | .2 | | | | 210 | 210 | | | | | | |
| 72/ 71 | | | | | .0 | .1 | .2 | .2 | 1.4 | 2.8 | 2.4 | 1.6 | .3 | .1 | | | | 258 | 258 | | | | | | |
| 70/ 69 | | | .0 | .1 | .1 | .2 | .3 | .7 | 1.9 | 2.5 | 2.6 | 1.1 | .1 | | | | | 271 | 271 | | | | | | |
| 68/ 67 | | .0 | | .0 | .1 | .1 | .5 | 1.1 | 2.1 | 3.0 | 1.5 | .2 | .0 | | | | | 245 | 246 | | | | | | |
| 66/ 65 | | | | .1 | .0 | .3 | .9 | 1.5 | 2.8 | 2.7 | .9 | .1 | | | | | | 260 | 261 | 9 | | | | | |
| 64/ 63 | | | .1 | .1 | .1 | .3 | 1.0 | 1.9 | 2.0 | 1.4 | .4 | .0 | | | | | | 204 | 206 | 22 | 2 | | | | |
| 62/ 61 | | | .0 | | .2 | .5 | 1.4 | 1.5 | 1.8 | 1.2 | .1 | | | | | | | 194 | 194 | 62 | 2 | | | | |
| 60/ 59 | | .1 | .1 | .1 | .5 | .5 | 1.2 | 1.5 | 1.4 | .4 | .1 | | | | | | | 164 | 165 | 139 | 4 | | | | |
| 58/ 57 | | | .0 | .2 | .3 | .7 | .7 | .9 | .7 | .3 | .1 | | | | | | | 110 | 111 | 212 | 12 | | | | |
| 56/ 55 | | .0 | .0 | .2 | .3 | .4 | .9 | .7 | .3 | .1 | | | | | | | | 83 | 84 | 363 | 18 | | | | |
| 54/ 53 | | | .1 | .0 | .1 | .4 | .5 | .4 | .0 | | | | | | | | | 43 | 43 | 382 | 14 | | | | |
| 52/ 51 | .1 | .2 | .2 | .2 | .2 | .1 | .3 | .2 | .1 | | | | | | | | | 45 | 46 | 455 | 32 | | | | |
| 50/ 49 | | .0 | .0 | .1 | .1 | .2 | .2 | .1 | .0 | | | | | | | | | 20 | 21 | 395 | 44 | | | | |
| 48/ 47 | | .1 | .1 | | | .2 | .2 | .0 | | | | | | | | | | 17 | 17 | 301 | 70 | | | | |
| 46/ 45 | | | | .0 | | .1 | | | | | | | | | | | | 4 | 4 | 200 | 112 | | | | |
| 44/ 43 | | | | | .0 | .1 | .0 | | | | | | | | | | | 4 | 4 | 141 | 145 | | | | |
| 42/ 41 | | | | | | .0 | | | | | | | | | | | | 1 | 1 | 59 | 169 | | | | |
| 40/ 39 | | | | | | .0 | | | | | | | | | | | | 1 | 1 | 35 | 245 | | | | |
| 38/ 37 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 17 | 253 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 13 | 244 | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 3 | 258 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 1 | 261 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 1 | 201 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 170 | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 156 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 118 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

| | |
|--------------|--------------------------------------|
| <u>23104</u> | <u>WILLIAMS AFB ARIZONA/CHANDLER</u> |
| STATION | STATION NAME |

42-74

MAY

PAGE 2

0600-0800
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

11AY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

23104
STATIC

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

MAY
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 110/109 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 108/107 | | | | | | | | | | | | | | | | | .2 | 5 | 5 | | |
| 106/105 | | | | | | | | | | | | | | | | | .4 | 13 | 13 | | |
| 104/103 | | | | | | | | | | | | | | | | | 1.0 | 31 | 31 | | |
| 102/101 | | | | | | | | | | | | | | | | | 1.5 | 46 | 46 | | |
| 100/ 99 | | | | | | | | | | | | | | | .0 | .1 | 3.1 | 95 | 95 | | |
| 98/ 97 | | | | | | | | | | | | | | .0 | .1 | .2 | 5.5 | 173 | 173 | | |
| 96/ 95 | | | | | | | | | | | | | | | .3 | .6 | 7.3 | 243 | 243 | | |
| 94/ 93 | | | | | | | | | | | | | | .2 | .6 | 1.3 | 8.2 | 307 | 307 | | |
| 92/ 91 | | | | | | | | | | | | .0 | .3 | .5 | 1.5 | 2.7 | 7.1 | 356 | 356 | | |
| 90/ 89 | | | | | | | | | | | | .1 | .1 | .9 | 2.2 | 3.4 | 4.7 | 341 | 341 | | |
| 88/ 87 | | | | | | | | | | | .1 | .1 | .7 | 1.0 | 2.1 | 3.1 | 2.2 | 275 | 275 | | |
| 86/ 85 | | | | | | | | | .0 | | .1 | .3 | .9 | 1.7 | 1.9 | 2.1 | .6 | 229 | 229 | | |
| 84/ 83 | | | | | | | | | | | .1 | .4 | 1.0 | 1.4 | 1.6 | 1.2 | .3 | 184 | 184 | | |
| 82/ 81 | | | | | | | | | | | .1 | .7 | 1.0 | 1.3 | 1.3 | .3 | .1 | 146 | 146 | | |
| 80/ 79 | | | | | | | | | | .1 | .6 | .9 | 1.3 | .9 | .8 | | | 139 | 139 | | |
| 78/ 77 | | | | | | | | | .1 | .2 | .6 | .7 | .8 | 1.0 | .2 | | | 107 | 108 | | |
| 76/ 75 | | | | | | | | | .2 | .2 | .5 | .9 | .8 | .5 | .1 | | | 96 | 98 | | |
| 74/ 73 | | | | | | | | .1 | .2 | .1 | .4 | .4 | .4 | .1 | | | | 51 | 51 | | |
| 72/ 71 | | | | | | | .0 | .1 | .2 | .5 | .5 | .2 | .1 | .1 | | | | 49 | 52 | 3 | |
| 70/ 69 | | | | | | .0 | .0 | .0 | .2 | .4 | .2 | .1 | | | | | | 31 | 31 | 22 | |
| 68/ 67 | | | | | | | .1 | .1 | .2 | .1 | .1 | .1 | .1 | | | | | 20 | 20 | 69 | |
| 66/ 65 | | | .0 | | | .1 | .0 | .0 | .1 | .1 | .0 | .1 | | | | | | 14 | 14 | 159 | |
| 64/ 63 | | .0 | | .0 | | .0 | | | | .1 | | | | | | | | 5 | 5 | 400 | |
| 62/ 61 | | | | | .1 | .1 | .0 | | .1 | .0 | | | | | | | | 10 | 10 | 566 | 3 |
| 60/ 59 | | | .0 | | .0 | .0 | | .0 | | | | | | | | | | 4 | 4 | 588 | 2 |
| 58/ 57 | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 423 | 3 |
| 56/ 55 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 324 | 11 |
| 54/ 53 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 238 | 20 |
| 52/ 51 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 106 | 33 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 53 | 70 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 12 | 92 |
| 46/ 45 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 9 | 110 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 4 | 141 |
| Element (X) | ΣX ² | | ΣX | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

MAY
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

YEARS

MAY
MONTH

PAGE 1 1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|----------------|---------|----------|----|------------------------------------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 | 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 110/109 | | | | | | | | | | | | | | | | | | .2 | 6 | 6 | | | |
| 108/107 | | | | | | | | | | | | | | | | | | .4 | 11 | 11 | | | |
| 106/105 | | | | | | | | | | | | | | | | | | 1.1 | 31 | 31 | | | |
| 104/103 | | | | | | | | | | | | | | | | | | 1.4 | 41 | 41 | | | |
| 102/101 | | | | | | | | | | | | | | | | | | 2.7 | 78 | 78 | | | |
| 100/ 99 | | | | | | | | | | | | | | | | .0 | | 5.4 | 158 | 158 | | | |
| 98/ 97 | | | | | | | | | | | | | | | | .1 | .5 | 8.8 | 273 | 273 | | | |
| 96/ 95 | | | | | | | | | | | | | | | .1 | .1 | .7 | 10.1 | 318 | 318 | | | |
| 94/ 93 | | | | | | | | | | | | | | .1 | .1 | .6 | 1.9 | 10.4 | 375 | 375 | | | |
| 92/ 91 | | | | | | | | | | | | | | .1 | .3 | .7 | 2.1 | 7.2 | 299 | 299 | | | |
| 90/ 89 | | | | | | | | | | | | | .0 | .1 | .4 | 1.7 | 2.5 | 5.5 | 296 | 296 | | | |
| 88/ 87 | | | | | | | | | | | | | .1 | .3 | .8 | 1.8 | 2.3 | 1.5 | 195 | 195 | | | |
| 86/ 85 | | | | | | | | | | .0 | | | .4 | .6 | 1.0 | 1.7 | 1.6 | .8 | 176 | 176 | | | |
| 84/ 83 | | | | | | | | | | | .1 | | .4 | .8 | 1.1 | 1.5 | .9 | .1 | 141 | 141 | | | |
| 82/ 81 | | | | | | | | | | .0 | | .1 | .6 | 1.1 | 1.3 | 1.1 | .5 | | 136 | 136 | | | |
| 80/ 79 | | | | | | | | | .0 | .1 | .3 | .5 | 1.1 | .7 | .7 | .7 | .1 | | 95 | 99 | | | |
| 78/ 77 | | | | | | | | | .2 | .1 | .2 | .5 | 1.0 | .6 | .3 | .1 | | | 85 | 87 | | | |
| 76/ 75 | | | | | | | | | .1 | .2 | .3 | .4 | .4 | .3 | .1 | | | | 52 | 52 | | | |
| 74/ 73 | | | | | | | | .0 | .1 | .5 | .5 | .2 | .2 | .1 | | | | | 49 | 51 | | | |
| 72/ 71 | | | | | | | | .0 | .1 | .2 | .2 | .2 | .0 | | | | | | 20 | 21 | 2 | | |
| 70/ 69 | | | | | | | | .0 | .1 | .2 | .0 | .1 | .1 | .0 | | | | | 16 | 16 | 37 | | |
| 68/ 67 | | | | | | | .1 | .1 | | | .2 | .0 | | | | | | | 11 | 11 | 64 | | |
| 66/ 65 | | | | | | .1 | | .1 | | .0 | .1 | | | | | | | | 8 | 8 | 182 | | |
| 64/ 63 | | .0 | .0 | .0 | .0 | .0 | .0 | | | .0 | .0 | | | | | | | | 8 | 8 | 424 | | |
| 62/ 61 | | .0 | | | | | | | | | | | | | | | | | 1 | 1 | 625 | 1 | |
| 60/ 59 | | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 571 | 2 | |
| 58/ 57 | | | | .0 | .0 | | | | | | | | | | | | | | 2 | 2 | 392 | 3 | |
| 56/ 55 | | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 307 | 7 | |
| 54/ 53 | | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 160 | 13 | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 79 | 24 | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 22 | 57 | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 18 | 71 | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 4 | 92 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 1 | 96 | |
| Element (X) | Σ x ² | | Σ x | | x̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MAY
MONTH

HOURS (L. S. T.)

[illegible]

FORM 0.26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

PSYCHROMETRIC SUMMARY

MAY

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 108/107 | | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | | | |
| 106/105 | | | | | | | | | | | | | | | | | | .1 | 4 | 4 | | | | |
| 104/103 | | | | | | | | | | | | | | | | | | .4 | 12 | 12 | | | | |
| 102/101 | | | | | | | | | | | | | | | | | | .8 | 22 | 22 | | | | |
| 100/ 99 | | | | | | | | | | | | | | | | | | 1.2 | 32 | 32 | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | .1 | 2.3 | 64 | 64 | | | | |
| 96/ 95 | | | | | | | | | | | | | | .0 | .1 | .2 | 4.4 | 126 | 126 | | | | | |
| 94/ 93 | | | | | | | | | | | | | | .1 | .4 | .9 | 5.2 | 176 | 176 | | | | | |
| 92/ 91 | | | | | | | | | | | .0 | .0 | .1 | .4 | .6 | 1.8 | 4.7 | 203 | 203 | | | | | |
| 90/ 89 | | | | | | | | | | | | .1 | .3 | .8 | 1.8 | 2.7 | 3.4 | 239 | 239 | | | | | |
| 88/ 87 | | | | | | | | | | | | .3 | .7 | 1.2 | 2.7 | 2.5 | 1.6 | 246 | 241 | | | | | |
| 86/ 85 | | | | | | | | | | | .2 | .5 | 1.0 | 2.5 | 3.4 | 1.6 | .6 | 262 | 263 | | | | | |
| 84/ 83 | | | | | | | | | .1 | .3 | .7 | 1.8 | 2.1 | 2.6 | .6 | .3 | 230 | 230 | | | | | | |
| 82/ 81 | | .0 | | | | | | .0 | .1 | .5 | 1.8 | 3.0 | 1.9 | 1.4 | .5 | .1 | 248 | 249 | | | | | | |
| 80/ 79 | | | | | | | | .2 | .5 | .7 | 1.5 | 2.4 | 1.5 | .7 | .0 | | 203 | 203 | 1 | | | | | |
| 78/ 77 | .0 | | | | | | | .1 | .4 | 1.2 | 1.3 | 1.5 | 1.3 | .2 | .0 | | 164 | 166 | 1 | 2 | | | | |
| 76/ 75 | | | | | | .0 | .0 | .1 | .2 | .5 | 1.2 | 1.1 | 1.1 | .3 | .1 | | 127 | 127 | | | | | | |
| 74/ 73 | | | | | .0 | .0 | .0 | .0 | .4 | .5 | .7 | 1.0 | .7 | .1 | | | 95 | 96 | 1 | | | | | |
| 72/ 71 | | | .0 | | | .0 | .0 | .2 | .3 | .4 | 1.1 | .7 | .2 | | | | 82 | 83 | | | | | | |
| 70/ 69 | | | | | | .0 | .2 | .1 | .6 | .3 | .3 | .1 | | | | | 45 | 45 | 9 | | | | | |
| 68/ 67 | | | .0 | | | .0 | .0 | .2 | .3 | .3 | .2 | .0 | | | | | 31 | 32 | 23 | | | | | |
| 66/ 65 | | | | .1 | .0 | .0 | .1 | .2 | .2 | .1 | .0 | | | | | | 25 | 26 | 96 | 1 | | | | |
| 64/ 63 | | | .0 | | | | .1 | .1 | .2 | .0 | | | | | | | 14 | 14 | 226 | 2 | | | | |
| 62/ 61 | | | .0 | .0 | .1 | .1 | .0 | .0 | | | | | | | | | 8 | 8 | 409 | 1 | | | | |
| 60/ 59 | | | .0 | .0 | .0 | .0 | .0 | | | | | | | | | | 4 | 4 | 531 | 1 | | | | |
| 58/ 57 | | | .1 | | .1 | .0 | .0 | | .0 | | | | | | | | 6 | 6 | 504 | 4 | | | | |
| 56/ 55 | | .0 | | | | | | | | | | | | | | | 1 | 1 | 354 | 14 | | | | |
| 54/ 53 | | | .1 | | | | | | | | | | | | | | 2 | 2 | 226 | 22 | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | 174 | 49 | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | 67 | 59 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | 31 | 69 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | 11 | 103 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | 3 | 123 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 186 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1800-2000
HOURS (L. S. T.)

FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JSAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

MAY
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 98/ 97 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 96/ 95 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 94/ 93 | | | | | | | | | | | | | | | | | .2 | 4 | 4 | | |
| 92/ 91 | | | | | | | | | | | | | | | | | .2 | 9 | 9 | | |
| 90/ 89 | | | | | | | | | | | | | | .1 | .2 | .7 | .1 | 26 | 26 | | |
| 88/ 87 | | | | | | | | | | | .0 | | .1 | .3 | .6 | .5 | .2 | 43 | 43 | | |
| 86/ 85 | | | | | | | | | | .1 | .1 | .1 | .5 | .8 | 1.1 | .4 | .0 | 72 | 72 | | |
| 84/ 83 | | | | | | | | | | .1 | .2 | .4 | .6 | 1.4 | 1.0 | .4 | .1 | 102 | 102 | | |
| 82/ 81 | | | | | | | | | | .3 | .6 | 1.1 | 2.6 | 2.4 | .8 | .2 | .0 | 189 | 189 | | |
| 80/ 79 | | | | | | | | | .3 | .7 | 1.6 | 2.2 | 2.8 | 2.6 | .3 | .1 | | 251 | 251 | | |
| 78/ 77 | | | | | | | | .0 | .2 | .7 | 2.5 | 2.6 | 3.1 | 1.4 | | .0 | | 244 | 245 | | |
| 76/ 75 | | | .0 | | | | .0 | .2 | .5 | 1.5 | 2.8 | 3.7 | 2.3 | .4 | .1 | | | 273 | 274 | | |
| 74/ 73 | | | | | | | .1 | .2 | .9 | 2.1 | 3.7 | 3.1 | 1.3 | .1 | .1 | | | 273 | 274 | 1 | |
| 72/ 71 | | | | | | .1 | .2 | .3 | 1.0 | 2.5 | 3.0 | 1.9 | .7 | .1 | | | | 230 | 230 | | 1 |
| 70/ 69 | | | .1 | | .0 | .2 | .2 | .3 | 2.1 | 2.4 | 1.9 | 1.7 | | | | | | 208 | 209 | 1 | |
| 68/ 67 | | .0 | | .0 | .0 | .2 | .4 | .7 | .9 | 1.4 | 1.8 | .3 | .1 | | | | | 140 | 141 | | |
| 66/ 65 | | | | .1 | .1 | .2 | .5 | .4 | 1.4 | .9 | .6 | .2 | | | | | | 103 | 104 | 13 | |
| 64/ 63 | | | .2 | .0 | .0 | .0 | .1 | .5 | .7 | .5 | .3 | | | | | | | 52 | 52 | 31 | 3 |
| 62/ 61 | | | .1 | | | .1 | .3 | .5 | .3 | .6 | .1 | .0 | | | | | | 44 | 44 | 115 | |
| 60/ 59 | | | .1 | .0 | .2 | .2 | .3 | .3 | .3 | .2 | | | | | | | | 38 | 41 | 205 | 2 |
| 58/ 57 | | | .0 | .0 | .1 | .1 | .1 | .3 | .3 | .1 | | | | | | | | 26 | 26 | 348 | 4 |
| 56/ 55 | .1 | .2 | .1 | .0 | .0 | .0 | .0 | .0 | .2 | | | | | | | | | 15 | 15 | 435 | 13 |
| 54/ 53 | .0 | | | | | .0 | .0 | .0 | .1 | | | | | | | | | 6 | 6 | 473 | 28 |
| 52/ 51 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 294 | 30 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 206 | 51 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 131 | 61 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 46 | 83 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 30 | 119 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 15 | 180 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 7 | 164 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 220 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 266 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 241 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 206 |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | Σ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

2

PSYCHROMETRIC SUMMARY

42-74

44AY

MONTH

PAGE 2

2100-2300
HOURS (L. S. T.)

[illegible]

FORM 0-26-5 (01 A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

(2)

6.

JUN

STATION

STATION NAME

YEARS

MONTHS

0000-0200

HOURS (L. S. T.)

US/FETAC 0-26.5 (CLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
FORM JUL 64

PSYCHROMETRIC SUMMARY

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 2

0000-0200

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74 JUN
STATION STATION NAME YEARS MONTH
PAG: 1 0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|-------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 96/ 95 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | | | | | |
| 94/ 93 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | | | | | |
| 92/ 91 | | | | | | | | | | | | | | | .0 | | | 1 | 1 | | | | | | |
| 90/ 89 | | | | | | | | | | | .0 | .1 | | | | .0 | .0 | 5 | 5 | | | | | | |
| 88/ 87 | | | | | | | | | | .1 | .1 | .0 | .1 | .0 | | | | 11 | 11 | | | | | | |
| 86/ 85 | | | | | | | | | .1 | .4 | .4 | .3 | .3 | .0 | .0 | | | 37 | 37 | | | | | | |
| 84/ 83 | | | | | | | | .1 | .3 | .7 | .7 | .6 | .7 | .0 | .2 | | | 73 | 73 | | | | | | |
| 82/ 81 | | | | | | | | .3 | .5 | 1.2 | .8 | 1.0 | .4 | .2 | .0 | | | 97 | 97 | | | | | | |
| 80/ 79 | | | | | | .1 | .2 | .2 | .3 | .9 | 1.6 | 1.2 | .8 | .1 | .0 | | | 121 | 121 | | | | | | |
| 78/ 77 | | | | | .2 | .3 | .2 | .2 | .7 | .8 | 2.0 | 1.5 | .6 | .0 | | | | 145 | 145 | | | | | | |
| 76/ 75 | | | .2 | .1 | .0 | .1 | .2 | .4 | .9 | 1.7 | 2.8 | 2.0 | .5 | .0 | | | | 203 | 203 | | | | | | |
| 74/ 73 | | .0 | .1 | .1 | .1 | .1 | .2 | .3 | 1.0 | 2.9 | 3.2 | 2.2 | .6 | .0 | | | | 262 | 262 | | | | | | |
| 72/ 71 | | .0 | .0 | .2 | .2 | | .3 | .9 | 1.8 | 3.8 | 4.4 | 1.4 | .2 | | | | | 296 | 296 | | | | | | |
| 70/ 69 | | | | .1 | | .0 | .3 | 1.0 | 2.6 | 3.8 | 2.7 | .9 | .1 | | | | | 260 | 260 | 30 | 9 | | | | |
| 68/ 67 | | | .0 | .1 | | .1 | .3 | .9 | 3.1 | 3.3 | 2.1 | .2 | .0 | | | | | 232 | 232 | 37 | 4 | | | | |
| 66/ 65 | | | .0 | | .2 | .1 | .4 | 1.2 | 2.8 | 2.9 | .7 | .0 | | | | | | 189 | 189 | 69 | 13 | | | | |
| 64/ 63 | | .1 | .2 | .0 | .0 | .1 | .2 | 1.4 | 2.4 | 1.6 | .4 | | | | | | | 144 | 144 | 79 | 16 | | | | |
| 62/ 61 | | | .2 | .0 | .1 | .1 | .5 | .9 | 1.5 | .7 | | | | | | | | 91 | 91 | 95 | 21 | | | | |
| 60/ 59 | .0 | | | .1 | .0 | .1 | .3 | .5 | .7 | .2 | | | | | | | | 46 | 46 | 158 | 30 | | | | |
| 58/ 57 | | | | | | .0 | .2 | .4 | .4 | .0 | | | | | | | | 26 | 26 | 199 | 29 | | | | |
| 56/ 55 | | | | | | | .1 | .1 | .0 | | | | | | | | | 6 | 6 | 200 | 41 | | | | |
| 54/ 53 | | | | | .0 | | .1 | | .0 | | | | | | | | | 5 | 5 | 305 | 44 | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 367 | 62 | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 264 | 61 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 206 | 92 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 84 | 115 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 45 | 117 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 8 | 148 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 2 | 150 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 1 | 206 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 194 | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 175 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 185 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 159 | | | | |
| Element (X) | Σ x² | | Σ x | | x̄ | | sₓ | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

42-74

JUL 11

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

0600-0800

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

42-

JUN
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (CL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

22104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | | |
|------------------------------------|-------------------------------------|-------|-----|--------|-----|--------|-------|--------|-------|--------|-------|--------|-------|-------|-------|-------|-------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 110/109 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | | |
| 108/107 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | | |
| 106/105 | | | | | | | | | | | | | | | | | .5 | 14 | 14 | | | |
| 104/103 | | | | | | | | | | | | | | | | | 1.3 | 39 | 39 | | | |
| 102/101 | | | | | | | | | | | | .0 | .0 | | | | .2 | 2.0 | 67 | 67 | | |
| 100/ 99 | | | | | | | | | | | | .0 | .0 | .0 | .3 | .7 | 3.4 | 129 | 129 | | | |
| 98/ 97 | | | | | | | | | | | .0 | .0 | .3 | .7 | 1.0 | 4.5 | 194 | 194 | | | | |
| 96/ 95 | | | | | | | | | | | .0 | .1 | .3 | .8 | 1.5 | 2.0 | 5.0 | 283 | 283 | | | |
| 94/ 93 | | | | | | | | | | | | .1 | .6 | 1.3 | 1.4 | 2.5 | 4.2 | 293 | 293 | | | |
| 92/ 91 | | | | | | | | | | .1 | .1 | .5 | 1.0 | 1.8 | 2.0 | 3.3 | 3.1 | 343 | 343 | | | |
| 90/ 89 | | | | | | | | | .1 | .2 | .5 | .7 | .9 | 1.7 | 3.2 | 3.5 | 1.8 | 361 | 361 | | | |
| 88/ 87 | | | | | | | | .1 | .1 | .3 | .5 | .5 | 1.0 | 1.4 | 3.2 | 2.0 | .7 | 283 | 283 | | | |
| 86/ 85 | | | | | | | .1 | .1 | .2 | .3 | .5 | .3 | 1.6 | 2.4 | 2.3 | 1.1 | .3 | 267 | 267 | | | |
| 84/ 83 | | | | | | | .0 | .2 | .1 | .1 | .2 | .6 | 1.4 | 1.8 | 1.3 | .2 | .2 | 177 | 177 | | | |
| 82/ 81 | | | | | | .0 | .1 | .1 | .1 | .1 | .4 | .7 | 1.9 | 1.2 | .7 | .1 | | 155 | 155 | | | |
| 80/ 79 | | | | | | .0 | .1 | .1 | .1 | .2 | .5 | 1.0 | .9 | .7 | .1 | | | 108 | 108 | 1 | | |
| 78/ 77 | | | | .0 | | .1 | | .1 | .0 | .2 | .5 | .9 | .6 | .0 | .1 | | | 73 | 73 | 2 | | |
| 76/ 75 | | | | | .0 | .1 | | .0 | .2 | .3 | .4 | .5 | .1 | .0 | | | | 47 | 47 | 5 | | |
| 74/ 73 | | | | | | .0 | | .0 | .1 | .2 | .2 | .3 | | | | | | 25 | 25 | 20 | | |
| 72/ 71 | | | | | | .0 | .1 | | .1 | .1 | .0 | .1 | | | | | | 11 | 11 | 84 | 1 | |
| 70/ 69 | | | | .0 | .0 | | | | .1 | .1 | | | | | | | | 7 | 7 | 168 | 5 | |
| 68/ 67 | | | .0 | | | | | | .1 | | | | | | | | | 3 | 3 | 264 | 11 | |
| 66/ 65 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | 357 | 12 | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 424 | 26 | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 500 | 36 | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 474 | 43 | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 307 | 67 | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 181 | 98 | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 72 | 112 | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 20 | 112 | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 5 | 137 | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 134 | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 192 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 209 | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |
| Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | |
| | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | |
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YEARS

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HOURS (L, S, T.)

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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1200-1400

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 118/117 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 116/115 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 114/113 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 112/111 | | | | | | | | | | | | | | | | | | .4 | 12 | 12 | | | | |
| 110/109 | | | | | | | | | | | | | | | | | | 1.9 | 54 | 54 | | | | |
| 108/107 | | | | | | | | | | | | | | | | | | 3.0 | 86 | 86 | | | | |
| 106/105 | | | | | | | | | | | | | | | | | | 5.5 | 157 | 157 | | | | |
| 104/103 | | | | | | | | | | | | | .0 | .0 | .0 | .1 | | 7.3 | 218 | 218 | | | | |
| 102/101 | | | | | | | | | | | | | .0 | .2 | .2 | .6 | | 10.4 | 323 | 323 | | | | |
| 100/ 99 | | | | | | | | | | | | | .1 | .2 | .2 | 1.6 | | 9.4 | 330 | 330 | | | | |
| 98/ 97 | | | | | | | | | | | | .0 | .1 | .3 | .6 | 1.9 | | 8.0 | 342 | 342 | | | | |
| 96/ 95 | | | | | | | | | | | .1 | .1 | .3 | .4 | 1.0 | 1.3 | | 7.6 | 309 | 309 | | | | |
| 94/ 93 | | | | | | | | | | | .2 | .3 | .2 | .3 | .9 | 1.8 | | 5.7 | 274 | 274 | | | | |
| 92/ 91 | | | | | | | | | | .1 | .1 | .2 | .3 | .3 | 1.3 | 1.9 | | 3.4 | 224 | 224 | | | | |
| 90/ 89 | | | | | | | | | | .3 | .2 | .2 | .2 | .5 | 1.1 | 1.9 | | 1.4 | 168 | 168 | | | | |
| 88/ 87 | | | | | | | | | .0 | .2 | .1 | .0 | .3 | .9 | 1.5 | .8 | | .6 | 127 | 127 | | | | |
| 86/ 85 | | | | | | | .0 | .1 | .1 | .0 | .2 | .5 | .7 | 1.2 | .5 | .1 | | .1 | 97 | 97 | | | | |
| 84/ 83 | | | | | | | .1 | .0 | .0 | .1 | .3 | .5 | .7 | .8 | .0 | | | .0 | 75 | 75 | | | | |
| 82/ 81 | | | | | | | .0 | .0 | .1 | .1 | .0 | .3 | .2 | .5 | .1 | .0 | | | 38 | 38 | | | | |
| 80/ 79 | | | | | | | .0 | .1 | .1 | .1 | .1 | .2 | .2 | | | | | | 21 | 21 | 2 | | | |
| 78/ 77 | | | | | | | .0 | | | .0 | .1 | .0 | .0 | | | | | | 7 | 7 | 3 | | | |
| 76/ 75 | | | | | | | .0 | | .0 | .1 | | | | | | | | | 3 | 3 | 10 | | | |
| 74/ 73 | | | | | | | .0 | .0 | | .1 | | | | | | | | | 4 | 4 | 59 | | | |
| 72/ 71 | | | | | | .0 | .0 | | | .0 | | | | | | | | | 3 | 3 | 137 | | | |
| 70/ 69 | | | | .1 | | | | | | | | | | | | | | | 2 | 2 | 284 | | | |
| 68/ 67 | | | | | | .0 | | | | | | | | | | | | | 1 | 1 | 393 | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | 457 | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | 535 | | | |
| 62/ 61 | | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 463 | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 306 | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 149 | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 66 | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 14 | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74
STATION STATION NAME

JUNE
MONTH

PAGE 2 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 133 | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 152 | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 161 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 225 | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 255 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 279 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 239 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 220 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 205 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 191 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 136 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 60 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 61 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 43 | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 14 | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 11 | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 13 | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 7 | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 2 | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 3 | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 2 | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 1 | |
| TOTAL | | | | .1 | | .1 | .1 | .2 | .3 | .7 | 1.2 | 1.9 | 3.0 | 5.1 | 8.9 | 12.5 | 65.8 | 2879 | 2879 | 2879 | | |
| | | | | | | | | | | | | | | | | | | | | | | |
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PSYCHROMETRIC SUMMARY

YEARS

MONTH

1500-1700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

42-74

JUN

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|-------------|-------|-------------|-------|-------------|----------|-------------|-----------|-------------|--|-------|--|--|--|--|--|--|--|--|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | | |
| 112/111 | | | | | | | | | | | | | | | | | | .2 | 4 | 4 | | | | | | | | | | | | | | | |
| 110/109 | | | | | | | | | | | | | | | | | | .6 | 15 | 15 | | | | | | | | | | | | | | | |
| 108/107 | | | | | | | | | | | | | | | | | | 1.5 | 40 | 40 | | | | | | | | | | | | | | | |
| 106/105 | | | | | | | | | | | | | | | | | | 3.3 | 85 | 85 | | | | | | | | | | | | | | | |
| 104/103 | | | | | | | | | | | | | | | | | .2 | 5.6 | 150 | 150 | | | | | | | | | | | | | | | |
| 102/101 | | | | | | | | | | | | | | | | .0 | .1 | .3 | 6.6 | 182 | 182 | | | | | | | | | | | | | | |
| 100/ 99 | | | | | | | | | | | | | | | | .1 | .3 | .6 | 7.3 | 221 | 221 | | | | | | | | | | | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | .5 | .7 | 1.9 | 7.0 | 261 | 251 | | | | | | | | | | | | | | |
| 96/ 95 | | | | | | | | | | | .0 | .0 | .2 | .4 | 1.2 | 1.9 | 6.9 | 277 | 277 | | | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | .0 | .2 | .5 | .7 | 1.5 | 2.2 | 4.6 | 252 | 252 | | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | | .0 | .2 | .4 | .3 | 1.2 | 1.7 | 2.2 | 3.4 | 244 | 244 | | | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | | .0 | .1 | .2 | .3 | .7 | 1.3 | 2.3 | 2.8 | 1.3 | 236 | 236 | | | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | | .1 | .1 | .1 | .2 | 1.0 | 1.6 | 2.2 | 1.3 | .3 | 178 | 178 | | | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | | | .1 | .1 | .1 | .2 | .4 | .8 | 1.7 | 1.8 | .6 | | 148 | 148 | | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | | .0 | .1 | .0 | .1 | .1 | .1 | .5 | 1.1 | 1.0 | .8 | .3 | | 104 | 104 | | | | | | | | | | | | | | | | |
| 82/ 81 | | | | | | .1 | .1 | .0 | .0 | .2 | .2 | .8 | .7 | .6 | .4 | | | 80 | 80 | | | | | | | | | | | | | | | | |
| 80/ 79 | | | | | .0 | .1 | .0 | .0 | .2 | .2 | .6 | .7 | .5 | .1 | | | | 62 | 62 | | | | | | | | | | | | | | | | |
| 78/ 77 | | | | .0 | | .0 | .0 | .1 | .2 | .3 | .2 | .1 | | | | | | 24 | 24 | | | | | | | | | | | | | | | | |
| 76/ 75 | | | .0 | | | .0 | .0 | .1 | .1 | .0 | .1 | .2 | .0 | | | | | 17 | 17 | 5 | | | | | | | | | | | | | | | |
| 74/ 73 | | | | | | .0 | | .0 | .0 | .1 | | | | | | | | 6 | 6 | 24 | | | | | | | | | | | | | | | |
| 72/ 71 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | 89 | 1 | | | | | | | | | | | | | | |
| 70/ 69 | | | | .1 | .0 | | | | | .0 | | | | | | | | 4 | 4 | 203 | 3 | | | | | | | | | | | | | | |
| 68/ 67 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 319 | 8 | | | | | | | | | | | | | | |
| 66/ 65 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 407 | 8 | | | | | | | | | | | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 481 | 14 | | | | | | | | | | | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 431 | 27 | | | | | | | | | | | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 341 | 47 | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 181 | 36 | | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 78 | 46 | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 26 | 67 | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 8 | 132 | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 1 | 156 | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 155 | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 178 | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1800-2000
HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OL A)
JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

JUN
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 104/103 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | |
| 102/101 | | | | | | | | | | | | | | | | | .2 | 5 | 5 | | |
| 100/ 99 | | | | | | | | | | | | | | | | | .5 | 11 | 11 | | |
| 98/ 97 | | | | | | | | | | | | | | | .1 | .2 | .7 | 23 | 23 | | |
| 96/ 95 | | | | | | | | | | .0 | .0 | .1 | .3 | .5 | .7 | .8 | 1.3 | 73 | 73 | | |
| 94/ 93 | | | | | | | | | | .0 | .0 | .1 | .3 | .5 | .8 | 1.3 | .8 | 93 | 93 | | |
| 92/ 91 | | | | | | | | | | .1 | .0 | .3 | .3 | 1.1 | 1.4 | 1.2 | .8 | 127 | 127 | | |
| 90/ 89 | | | | | | | | | | .2 | .3 | .7 | 1.1 | 1.3 | 1.9 | 1.5 | .4 | 174 | 174 | | |
| 88/ 87 | | | | | | | | | .0 | .3 | .5 | .8 | 1.2 | 2.1 | 2.1 | 1.4 | .3 | 210 | 210 | | |
| 86/ 85 | | | | | | | | | .3 | .6 | .7 | 1.7 | 2.4 | 2.9 | 2.2 | .4 | .1 | 269 | 269 | | |
| 84/ 83 | | | | | | | .1 | .1 | .0 | .3 | 1.4 | 2.1 | 2.9 | 2.6 | 1.9 | .3 | .1 | 281 | 281 | | |
| 82/ 81 | | | | | | | .1 | .1 | .2 | .4 | 1.2 | 2.6 | 3.8 | 2.4 | 1.1 | .0 | .0 | 284 | 284 | | |
| 80/ 79 | | | | | .1 | .1 | .1 | .1 | .2 | .7 | 2.0 | 2.7 | 3.1 | 2.0 | .3 | | | 264 | 264 | | |
| 78/ 77 | | .0 | | .1 | .2 | .1 | .0 | .1 | .3 | .8 | 1.5 | 2.7 | 2.1 | .7 | .1 | | | 206 | 206 | 1 | |
| 76/ 75 | | | .1 | .0 | | .0 | | .3 | .3 | .8 | 1.5 | 2.1 | 1.1 | .1 | .0 | | | 154 | 154 | 2 | 1 |
| 74/ 73 | | | | | .1 | .1 | | .1 | .4 | .3 | 1.2 | 1.2 | .5 | | | | | 91 | 91 | 6 | |
| 72/ 71 | | | | | | | | .1 | .3 | .5 | .9 | .3 | .1 | | | | | 53 | 53 | 31 | 2 |
| 70/ 69 | | | | .1 | .0 | .1 | .0 | .1 | .2 | .1 | .3 | .2 | .0 | | | | | 28 | 28 | 63 | 5 |
| 68/ 67 | | | .2 | .0 | | | | .1 | .1 | .2 | .2 | .0 | | | | | | 19 | 19 | 110 | 13 |
| 66/ 65 | | | | | | | .0 | .0 | .0 | .1 | .0 | | | | | | | 7 | 7 | 166 | 4 |
| 64/ 63 | | | | | | | | .0 | .0 | | | | | | | | | 1 | 1 | 266 | 19 |
| 62/ 61 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 338 | 22 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 401 | 30 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 383 | 45 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 292 | 42 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 205 | 59 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 73 | 96 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 28 | 138 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 8 | 129 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 2 | 188 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 181 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 199 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 211 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 186 |
| Element (X) | Σ X ² | | Σ X | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MONTH

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-65,68-72,74
YEARS

JUL
MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 96/ 95 | | | | | | | | | | | .0 | | | .2 | .1 | .1 | | 10 | 10 | | | | |
| 94/ 93 | | | | | | | | | | | .1 | .3 | .6 | .8 | .4 | .0 | .1 | 50 | 51 | | | | |
| 92/ 91 | | | | | | | | | | .2 | .7 | 1.4 | 1.2 | .6 | .3 | .4 | .0 | 100 | 100 | | | | |
| 90/ 89 | | | | | | | | | .5 | 2.1 | 2.6 | 2.3 | 1.0 | .7 | .5 | | | 200 | 200 | | | | |
| 88/ 87 | | | | | | .0 | .1 | .2 | 2.2 | 3.7 | 3.5 | 2.6 | 1.0 | .7 | .0 | | | 292 | 292 | | | | |
| 86/ 85 | | | | | | .1 | .6 | 2.2 | 3.2 | 4.0 | 2.0 | 2.4 | 1.8 | .8 | .0 | | | 356 | 358 | | | | |
| 84/ 83 | | | | | .1 | .8 | 1.5 | 3.4 | 2.4 | 1.6 | 1.6 | 1.7 | 1.5 | .3 | .0 | | | 311 | 311 | | | | |
| 82/ 81 | | | | | .5 | 2.3 | 2.5 | 2.1 | 1.9 | 1.5 | 1.6 | 1.3 | 1.0 | .2 | .1 | | | 296 | 296 | | | | |
| 80/ 79 | | | .0 | .9 | 2.0 | 1.8 | 1.0 | .4 | .3 | .4 | .8 | 1.2 | .4 | .1 | | | | 194 | 194 | | | | |
| 78/ 77 | | | .8 | 1.9 | 1.8 | .3 | .1 | .0 | .1 | .3 | .8 | .4 | .3 | .0 | | | | 144 | 144 | 2 | | | |
| 76/ 75 | | .3 | 1.0 | .5 | .4 | | .0 | | .0 | .2 | .5 | .5 | .1 | | | | | 75 | 75 | 14 | | | |
| 74/ 73 | | .4 | .3 | .1 | | | | | .0 | .0 | .2 | .1 | | | | | | 27 | 27 | 156 | 12 | | |
| 72/ 71 | .0 | .4 | .2 | | | | | | .0 | .0 | | | | | | | | 17 | 17 | 387 | 55 | | |
| 70/ 69 | | .1 | | | | | | | .0 | | | | | | | | | 3 | 3 | 499 | 117 | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 308 | 152 | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 194 | 173 | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 161 | 225 | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 130 | 188 | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 103 | 181 | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 55 | 145 | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 47 | 137 | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 15 | 105 | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 4 | 95 | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 87 | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 70 | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 71 | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 56 | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 54 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 49 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 37 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 18 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 15 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 9 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 9 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

0000-0200

HOURS (L, S, T.)

[illegible]

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

JUL
MONTH

PAGE 1

0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 94/ 93 | | | | | | | | | | | | .0 | .0 | | .0 | | .0 | 4 | 4 | | | | | | |
| 92/ 91 | | | | | | | | | | | .0 | .3 | .0 | .1 | | .0 | .0 | 13 | 13 | | | | | | |
| 90/ 89 | | | | | | | | | | | .1 | .6 | .3 | .4 | .3 | | | 39 | 39 | | | | | | |
| 88/ 87 | | | | | | | | .0 | .7 | 1.3 | 1.5 | .8 | .4 | .0 | .0 | | | 111 | 111 | | | | | | |
| 86/ 85 | | | | | | | .3 | 1.5 | 3.2 | 2.7 | 2.4 | 1.2 | .7 | .3 | | | | 231 | 282 | | | | | | |
| 84/ 83 | | | | | .0 | .4 | 1.7 | 3.8 | 3.7 | 2.3 | 1.6 | .9 | .6 | .1 | | | | 350 | 351 | | | | | | |
| 82/ 81 | | | | .0 | .4 | 1.9 | 3.2 | 4.4 | 2.6 | 2.0 | 1.6 | .7 | .4 | .1 | | | | 400 | 401 | | | | | | |
| 80/ 79 | | | .1 | .9 | 2.2 | 2.8 | 3.6 | 2.0 | 2.1 | 1.4 | 1.2 | .7 | .3 | .0 | | | | 401 | 402 | | | | | | |
| 78/ 77 | | | .7 | 2.2 | 1.9 | 1.6 | .5 | .9 | 1.0 | 1.3 | .9 | .4 | .1 | .0 | | | | 265 | 265 | | | | | | |
| 76/ 75 | | .2 | 1.6 | 2.1 | .9 | .7 | .3 | .3 | .9 | 1.3 | 1.0 | .4 | .2 | | | | | 228 | 229 | 11 | | | | | |
| 74/ 73 | | .8 | 1.0 | .4 | .1 | | .1 | .1 | .3 | .8 | .7 | .3 | .0 | | | | | 101 | 101 | 93 | 12 | | | | |
| 72/ 71 | .1 | .6 | .3 | .1 | | .0 | .2 | | .3 | .7 | .4 | .3 | | | | | | 69 | 69 | 357 | 64 | | | | |
| 70/ 69 | | .1 | .0 | | .0 | | .0 | .2 | .3 | .3 | .2 | | | | | | | 29 | 29 | 508 | 154 | | | | |
| 68/ 67 | | | | | | .0 | .0 | .0 | .2 | .2 | | | | | | | | 11 | 11 | 405 | 178 | | | | |
| 66/ 65 | | | | | | | | | | .0 | | | | | | | | 1 | 1 | 244 | 198 | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 191 | 247 | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 144 | 240 | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 114 | 185 | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 80 | 152 | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 70 | 144 | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 44 | 107 | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 29 | 120 | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 13 | 80 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 72 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 74 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 72 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 41 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 39 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 31 | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 29 | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 21 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 20 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 10 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 4 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

FORM 0-26-5 (OL A) JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2 0300-0500
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0500-0800

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|----------|----------|--------------------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | | Dew Point | | |
| 100/ 99 | | | | | | | | | | | | | | | | .0 | | 1 | 1 | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | .1 | .0 | 4 | 4 | | | | |
| 96/ 95 | | | | | | | | | | | | .1 | .1 | .2 | .3 | | .0 | 18 | 18 | | | | |
| 94/ 93 | | | | | | | | | .0 | .0 | .3 | .4 | .6 | .5 | .3 | .0 | .0 | 62 | 62 | | | | |
| 92/ 91 | | | | | | | | .0 | .1 | .4 | 1.1 | 1.3 | .9 | .7 | .1 | .0 | .0 | 130 | 130 | | | | |
| 90/ 89 | | | | | | | | .5 | 1.7 | 2.2 | 1.1 | .9 | .7 | .3 | .1 | .0 | .0 | 211 | 212 | | | | |
| 88/ 87 | | | | | | .0 | .1 | .6 | 1.8 | 3.3 | 2.0 | 1.1 | .8 | .8 | .3 | .0 | .0 | 304 | 304 | | | | |
| 86/ 85 | | | | | | .1 | 1.0 | 2.8 | 3.5 | 3.3 | 1.9 | 1.5 | 1.0 | .6 | .2 | | | 446 | 446 | | | | |
| 84/ 83 | | | | | .1 | .8 | 1.9 | 3.2 | 3.2 | 1.8 | 1.3 | .9 | .9 | .3 | .1 | | | 401 | 401 | | | | |
| 82/ 81 | | | | | .9 | 1.7 | 2.9 | 3.7 | 1.7 | 1.2 | .7 | .4 | .6 | .1 | | | | 390 | 391 | | | | |
| 80/ 79 | | | .1 | 1.0 | 1.7 | 1.9 | 1.8 | 1.4 | 1.3 | .9 | .6 | .6 | .4 | .0 | | | | 329 | 329 | | | | |
| 78/ 77 | | | .7 | 1.7 | 1.4 | 1.1 | .8 | .4 | .3 | .5 | .6 | .5 | .2 | .1 | | | | 225 | 225 | 3 | | | |
| 76/ 75 | .0 | .1 | .9 | .9 | .7 | .3 | .3 | .2 | .4 | .3 | .7 | .2 | .0 | | | | | 140 | 140 | 32 | 1 | | |
| 74/ 73 | | .3 | .7 | .3 | .1 | .0 | .1 | .1 | .2 | .2 | .3 | .1 | | .0 | | | | 69 | 69 | 228 | 15 | | |
| 72/ 71 | | .2 | .1 | .0 | | | .0 | .1 | .1 | .3 | .4 | .0 | | | | | | 35 | 35 | 509 | 80 | | |
| 70/ 69 | .1 | | .0 | | | | .0 | .1 | .1 | .1 | | | | | | | | 14 | 14 | 677 | 189 | | |
| 68/ 67 | | | | | .0 | | | | .0 | | | | | | | | | 2 | 2 | 451 | 189 | | |
| 66/ 65 | | | | | | | | | .0 | .0 | | | | | | | | 2 | 2 | 268 | 258 | | |
| 64/ 63 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | 195 | 319 | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 143 | 340 | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 90 | 279 | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 85 | 181 | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 52 | 170 | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 30 | 139 | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 16 | 110 | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 4 | 93 | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 1 | 74 | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 59 | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 57 | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 51 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 56 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 44 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 22 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 30 | | |
| Element (X) | Σx^2 | | Σx | | \bar{x} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

0600-0800
HOURS (L. S. T.)

[illegible]

0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM
FBI 64

USAFETYAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURLY (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 108/107 | | | | | | | | | | | | | | | | | .1 | 4 | 4 | | |
| 106/105 | | | | | | | | | | | | | | | | | .5 | 14 | 14 | | |
| 104/103 | | | | | | | | | | | | | | | | | | | | | |
| 102/101 | | | | | | | | | | | | | | | | | 1.1 | 39 | 39 | | |
| 100/ 99 | | | | | | | | | | | | | | | | | 2.0 | 114 | 114 | | |
| 98/ 97 | | | | | | | | | | | | | | | | | 1.7 | 199 | 199 | | |
| 96/ 95 | | | | | | | | | | | | | | | | | 1.8 | 318 | 318 | | |
| 94/ 93 | | | | | | | | | | | | | | | | | 1.5 | 452 | 452 | | |
| 92/ 91 | | | | | | | | | | | | | | | | | 1.8 | 432 | 432 | | |
| 90/ 89 | | | | | | | | | | | | | | | | | 1.7 | 421 | 421 | | |
| 88/ 87 | | | | | | | | | | | | | | | | | 1.7 | 356 | 356 | | |
| 86/ 85 | | | | | | | | | | | | | | | | | 1.1 | 236 | 236 | | |
| 84/ 83 | | | | | | | | | | | | | | | | | 1.1 | 142 | 142 | | |
| 82/ 81 | | | | | | | | | | | | | | | | | 1.1 | 96 | 96 | | |
| 80/ 79 | | | | | | | | | | | | | | | | | 1.1 | 49 | 49 | | |
| 78/ 77 | | | | | | | | | | | | | | | | | 1.1 | 34 | 34 | | |
| 76/ 75 | | | | | | | | | | | | | | | | | 1.1 | 16 | 16 | | |
| 74/ 73 | | | | | | | | | | | | | | | | | 1.1 | 11 | 11 | | |
| 72/ 71 | | | | | | | | | | | | | | | | | 1.1 | 6 | 6 | | |
| 70/ 69 | | | | | | | | | | | | | | | | | 1.1 | 1 | 1 | | |
| 68/ 67 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | 1.1 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

0900-1100
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

YEARS

JUL

MONTH

PAGE 1 1200-1400

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 116/115 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 114/113 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 112/111 | | | | | | | | | | | | | | | | | .4 | 12 | 12 | | | | |
| 110/109 | | | | | | | | | | | | | | | | | 1.3 | 37 | 37 | | | | |
| 108/107 | | | | | | | | | | | | | | | | .0 | 3.3 | 97 | 97 | | | | |
| 106/105 | | | | | | | | | | | | .0 | | .1 | .1 | 1.2 | 6.8 | 242 | 242 | | | | |
| 104/103 | | | | | | | | | | | | .0 | .3 | 1.1 | 2.2 | 8.1 | 346 | 346 | | | | | |
| 102/101 | | | | | | | | | | .0 | .1 | .2 | 1.0 | 2.7 | 3.6 | 6.0 | 399 | 401 | | | | | |
| 100/ 99 | | | | | | | | | | .1 | .2 | 1.6 | 4.1 | 3.6 | 2.8 | 4.1 | 481 | 482 | | | | | |
| 98/ 97 | | | | | | | | | .0 | .1 | 1.1 | 3.3 | 3.5 | 2.7 | 1.2 | 2.2 | 418 | 418 | | | | | |
| 96/ 95 | | | | | | | | | .1 | .7 | 3.0 | 3.1 | 1.9 | .7 | .5 | 1.0 | 323 | 323 | | | | | |
| 94/ 93 | | | | | | | | .0 | .0 | .5 | 2.2 | 2.1 | 1.7 | .5 | .3 | .2 | .4 | 235 | 235 | | | | |
| 92/ 91 | | | | | | | .0 | .0 | .5 | 1.3 | 1.6 | .9 | .3 | .1 | .1 | .1 | .0 | 149 | 149 | | | | |
| 90/ 89 | | | | | | | .3 | 1.0 | 1.0 | .6 | .1 | | .0 | .0 | | | | 90 | 90 | | | | |
| 88/ 87 | | | | | | .0 | .1 | .3 | .5 | .4 | .1 | | | | | | | 42 | 42 | | | | |
| 86/ 85 | | | | | | | .2 | .4 | .0 | | | | | | | | | 19 | 19 | | | | |
| 84/ 83 | | | | | .0 | .3 | .0 | .0 | .1 | | | | | | | | | 16 | 16 | 1 | | | |
| 82/ 81 | | | | .0 | .1 | .1 | | | | | | | | | | | | 9 | 9 | 1 | | | |
| 80/ 79 | | | | .1 | .1 | .1 | | | | | | | | | | | | 8 | 8 | 12 | | | |
| 78/ 77 | | | .1 | .1 | .1 | .0 | | | | | | | | | | | | 8 | 8 | 54 | 1 | | |
| 76/ 75 | | | .1 | .0 | .1 | | | | | | | | | | | | | 7 | 7 | 347 | 2 | | |
| 74/ 73 | .1 | .0 | .0 | | | | | | | | | | | | | | | 4 | 4 | 786 | 7 | | |
| 72/ 71 | | | | | | | | | | | | | | | | | | | | 775 | 30 | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 455 | 63 | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 225 | 133 | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 158 | 210 | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 87 | 342 | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 33 | 333 | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 6 | 355 | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 4 | 326 | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 227 | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 174 | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 146 | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 107 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | Total | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

MOUPS L. S. -1

[illegible]

PSYCHROMETRIC SUMMARY

JUL

YEARS

MONTH

1500-1700

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

JUL
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

JUL

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|--|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 114/113 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | | |
| 112/111 | | | | | | | | | | | | | | | | | | .1 | 3 | 3 | | | | | |
| 110/109 | | | | | | | | | | | | | | | | | | .0 | .6 | 18 | 18 | | | | |
| 108/107 | | | | | | | | | | | | | | | | | | .0 | 1.8 | 49 | 49 | | | | |
| 106/105 | | | | | | | | | | | | | | .1 | .1 | .3 | 5.6 | 160 | 160 | | | | | | |
| 104/103 | | | | | | | | | | | | | .0 | .0 | .3 | 1.9 | 6.4 | 230 | 230 | | | | | | |
| 102/101 | | | | | | | | | | | | | .0 | .7 | 2.0 | 3.5 | 5.9 | 321 | 323 | | | | | | |
| 100/ 99 | | | | | | | | | | | | .0 | .8 | 2.7 | 3.9 | 3.1 | 4.0 | 387 | 387 | | | | | | |
| 98/ 97 | | | | | | | | | | | .0 | .5 | 2.4 | 3.2 | 3.0 | 2.0 | 2.1 | 351 | 352 | | | | | | |
| 96/ 95 | | | | | | | | | | .0 | .4 | 1.7 | 3.3 | 2.8 | 2.2 | .9 | .9 | 327 | 327 | | | | | | |
| 94/ 93 | | | | | | | | | | .3 | 1.5 | 2.3 | 1.8 | 1.5 | .9 | .4 | .2 | 238 | 238 | | | | | | |
| 92/ 91 | | | | | | | | .0 | .1 | .9 | 2.1 | 1.7 | .9 | .6 | .5 | .2 | .1 | 185 | 185 | | | | | | |
| 90/ 89 | | | | | | | .0 | .1 | .8 | 1.1 | 1.2 | .4 | .3 | .3 | .1 | .0 | | 115 | 115 | | | | | | |
| 88/ 87 | | | | | | | .3 | .6 | .8 | .7 | .4 | .1 | .1 | .1 | .1 | | | 82 | 82 | | | | | | |
| 86/ 85 | | | | | | .2 | .3 | .6 | .5 | .2 | | .1 | | | | | | 51 | 51 | | | | | | |
| 84/ 83 | | | | | .2 | .4 | .3 | .3 | .1 | .1 | .0 | | | | | | | 38 | 38 | | | | | | |
| 82/ 81 | | | | | .3 | .6 | .3 | .2 | .1 | | | | | | | | | 38 | 38 | | | | | | |
| 80/ 79 | | | .0 | .3 | .3 | .3 | .3 | | | | | | | | | | | 31 | 31 | 4 | | | | | |
| 78/ 77 | | | .2 | .2 | .2 | .1 | | | | | | | | | | | | 16 | 16 | 18 | | | | | |
| 76/ 75 | | .1 | .2 | .1 | .1 | | | | | | | | | | | | | 14 | 14 | 170 | | | | | |
| 74/ 73 | | .1 | | | | | | | | | | | | | | | | 3 | 3 | 574 | 9 | | | | |
| 72/ 71 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 730 | 33 | | | | |
| 70/ 69 | | | | | | | | | | | | | | | | | | | | 553 | 64 | | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 342 | 97 | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 168 | 149 | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 69 | 237 | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 24 | 301 | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 6 | 292 | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 265 | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 1 | 243 | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 225 | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 187 | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 158 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 113 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

HOURS (L. S. T.)

[illegible]

USAFETAC FORM JUL 64 C-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

42-74

JUL

MONTH

PAGE 2

2100-2300

HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-65,70-71,73-74
YEARS

AUG
MONTH

PAGE 1

0000-0200
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 96/ 95 | | | | | | | | | | | | | .0 | .1 | | | | 4 | 4 | | | |
| 94/ 93 | | | | | | | | | | | | .1 | .1 | .0 | | | | 5 | 5 | | | |
| 92/ 91 | | | | | | | | | | | .2 | .6 | .2 | .1 | | | | 24 | 24 | | | |
| 90/ 89 | | | | | | | | | .5 | 1.1 | 1.7 | .6 | .4 | .2 | .0 | | | 94 | 94 | | | |
| 88/ 87 | | | | | | | .1 | 1.0 | 2.4 | 2.6 | 2.0 | .5 | .3 | .2 | | | | 188 | 189 | | | |
| 86/ 85 | | | | | | .3 | 1.0 | 2.6 | 4.1 | 2.7 | 1.5 | 1.2 | .4 | | .0 | | | 285 | 287 | | | |
| 84/ 83 | | | | | .3 | 1.7 | 3.5 | 4.8 | 2.5 | 2.3 | 1.5 | .7 | .2 | .0 | | | | 361 | 361 | | | |
| 82/ 81 | | | .0 | .4 | 1.3 | 2.4 | 4.2 | 3.3 | 1.9 | 1.7 | 1.6 | .7 | .2 | .0 | | | | 365 | 370 | | | |
| 80/ 79 | | | .1 | 1.3 | 3.1 | 2.4 | 1.7 | 1.3 | .9 | 1.6 | .8 | .3 | .3 | .1 | .0 | | | 289 | 289 | | | |
| 78/ 77 | | .2 | .8 | 2.1 | 1.5 | .9 | .5 | .6 | .6 | .7 | .3 | .3 | .0 | | | | | 180 | 180 | 2 | | |
| 76/ 75 | | .7 | 1.9 | 1.1 | .3 | .4 | .0 | .2 | .6 | .6 | .3 | | | | | | | 130 | 130 | 50 | 5 | |
| 74/ 73 | | 1.2 | 1.0 | .3 | .2 | | .0 | .3 | .2 | .4 | .1 | | | | | | | 79 | 79 | 209 | 44 | |
| 72/ 71 | .2 | .3 | .5 | .1 | .1 | | .0 | .2 | .1 | .1 | | | | | | | | 35 | 36 | 505 | 100 | |
| 70/ 69 | .1 | .1 | .2 | .0 | | | .0 | .1 | .1 | | | | | | | | | 16 | 16 | 484 | 196 | |
| 68/ 67 | | .0 | | | | | | | .0 | | | | | | | | | 2 | 2 | 264 | 191 | |
| 66/ 65 | .1 | | | | | | | | | | | | | | | | | 2 | 2 | 179 | 272 | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 132 | 251 | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 99 | 197 | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 54 | 168 | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 43 | 134 | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 31 | 84 | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 7 | 90 | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 83 | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 60 | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 51 | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 40 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 27 | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 25 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 13 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 15 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 5 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 3 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 3 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 1 | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

Aug
MONTH

PAGE 2 0000-0200
HOURS (L. S. T.)

USAFETAC FORM 0.26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

YEARS

AUG
MONTH

PAGE 1 0300-0500
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|-------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 94/ 93 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | | |
| 92/ 91 | | | | | | | | | | .1 | | | | | | | | 2 | 2 | | | |
| 90/ 89 | | | | | | | | | .0 | .0 | .2 | .3 | .2 | | | | | 17 | 17 | | | |
| 88/ 87 | | | | | | | | .1 | .5 | .4 | .4 | .3 | .0 | | | | | 43 | 43 | | | |
| 86/ 85 | | | | | | .0 | .4 | 1.2 | 2.3 | 1.3 | .5 | .2 | .1 | | | | | 140 | 140 | | | |
| 84/ 83 | | | | | .1 | .8 | 1.9 | 3.7 | 2.3 | 1.2 | .4 | .5 | .0 | | | | | 254 | 255 | | | |
| 82/ 81 | | | .0 | .1 | 1.2 | 2.8 | 4.0 | 3.9 | 2.5 | 1.3 | .3 | .1 | .0 | | | | | 381 | 381 | | | |
| 80/ 79 | | | .3 | 1.1 | 2.8 | 4.8 | 4.2 | 3.2 | 1.8 | 1.2 | 1.0 | .2 | .1 | | | | | 477 | 479 | | | |
| 78/ 77 | | .1 | 1.2 | 3.3 | 2.8 | 2.3 | 2.0 | 1.7 | 1.2 | .7 | .7 | .1 | .0 | | | | | 374 | 378 | 1 | | |
| 76/ 75 | | .9 | 2.3 | 2.2 | 1.2 | .9 | 1.5 | 1.4 | 1.4 | .6 | .4 | | | | | | | 298 | 298 | 28 | 4 | |
| 74/ 73 | .0 | 1.8 | 1.8 | 1.1 | .6 | .6 | .3 | .7 | .5 | .2 | .1 | | | | | | | 180 | 180 | 188 | 34 | |
| 72/ 71 | .1 | .7 | .5 | .3 | .0 | .1 | .3 | .3 | .4 | .6 | .2 | | | | | | | 83 | 86 | 460 | 131 | |
| 70/ 69 | | .2 | .0 | .1 | | | .2 | .3 | .3 | .4 | .0 | | | | | | | 37 | 37 | 529 | 237 | |
| 68/ 67 | | | .3 | | | .1 | .3 | .1 | .3 | | | | | | | | | 26 | 26 | 374 | 221 | |
| 66/ 65 | .1 | | | | | .1 | .1 | .0 | | | | | | | | | | 10 | 10 | 231 | 294 | |
| 64/ 63 | | | | | | | .0 | .0 | | | | | | | | | | 2 | 2 | 175 | 290 | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 101 | 228 | |
| 60/ 59 | | | | | | .0 | | | | | | | | | | | | 1 | 1 | 96 | 173 | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 56 | 158 | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 43 | 111 | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 25 | 96 | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 16 | 61 | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 3 | 79 | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 55 | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 42 | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 32 | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 16 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 26 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 17 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 14 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 4 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 2 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 1 | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

42-74

YEARS

AUG

MONTH

PAGE 2

0300-0500
HOURS (L, S, T.)

[illegible]

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

YEARS

AUG

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TAL | TOTAL | | | | | | | | |
|--------------|-------------------------------------|-----|-----|------------|-----|------|-----------|-------|-------|------------|-------|-------|----------|-------|-------|------------------------------------|---|-------------|----------|-------------|-----------|-------------|--|-------------|--|-------------|--|-------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | z | W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | | | |
| 96/ 95 | | | | | | | | | | | | | .1 | | .0 | | | 3 | 3 | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | .0 | .1 | .2 | .1 | .0 | | | 13 | 13 | | | | | | | | | |
| 92/ 91 | | | | | | | | .0 | | .3 | .5 | .3 | .3 | | | | | 41 | 41 | | | | | | | | | |
| 90/ 89 | | | | | | | | | .6 | .7 | .9 | .6 | .3 | .2 | | | | 94 | 94 | | | | | | | | | |
| 88/ 87 | | | | | | .0 | .1 | .9 | 1.8 | 1.6 | 1.1 | 1.0 | .2 | | | | | 190 | 190 | | | | | | | | | |
| 86/ 85 | | | | | | .1 | 1.1 | 2.2 | 2.7 | 2.0 | .9 | .5 | .4 | .1 | | | | 288 | 289 | | | | | | | | | |
| 84/ 83 | | | | .0 | .2 | 1.3 | 3.2 | 3.4 | 2.4 | 1.3 | 1.0 | .5 | .3 | | | | | 391 | 391 | | | | | | | | | |
| 82/ 81 | | | | .1 | 1.2 | 3.3 | 3.8 | 2.9 | 1.8 | 1.0 | .9 | .1 | .2 | | | | | 441 | 441 | | | | | | | | | |
| 80/ 79 | | | .2 | 1.6 | 2.8 | 3.4 | 3.0 | 2.1 | 1.7 | .8 | .7 | .3 | .0 | | | | | 475 | 477 | | | | | | | | | |
| 78/ 77 | | .1 | .9 | 2.2 | 2.2 | 1.9 | 1.4 | 1.2 | .9 | .8 | .4 | .1 | | | | | | 346 | 349 | 4 | | | | | | | | |
| 76/ 75 | | .4 | 2.1 | 2.0 | 1.2 | .8 | .8 | .8 | .9 | .5 | .4 | .0 | .0 | | | | | 283 | 284 | 39 | 5 | | | | | | | |
| 74/ 73 | .0 | .8 | 1.2 | .6 | .4 | .3 | .4 | .5 | .3 | .3 | .1 | | | | | | | 145 | 147 | 311 | 24 | | | | | | | |
| 72/ 71 | .1 | .6 | .7 | .3 | .2 | .1 | .3 | .2 | .2 | .2 | .1 | | | | | | | 91 | 91 | 631 | 156 | | | | | | | |
| 70/ 69 | .0 | .1 | .1 | .1 | .1 | | .1 | .3 | .2 | .1 | .0 | .0 | | | | | | 34 | 34 | 641 | 257 | | | | | | | |
| 68/ 67 | | .0 | .1 | | | | .0 | .2 | .1 | | | | | | | | | 14 | 14 | 419 | 341 | | | | | | | |
| 66/ 65 | .0 | | | | | .1 | .0 | .1 | .0 | | | | | | | | | 7 | 7 | 279 | 387 | | | | | | | |
| 64/ 63 | | | | | | .0 | .0 | .0 | | .0 | | | | | | | | 4 | 4 | 190 | 347 | | | | | | | |
| 62/ 61 | | | | | | | .0 | | | | | | | | | | | 1 | 1 | 116 | 276 | | | | | | | |
| 60/ 59 | | | | | | .0 | | | | | | | | | | | | 1 | 1 | 98 | 219 | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 61 | 182 | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 36 | 150 | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 25 | 114 | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 8 | 105 | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 2 | 79 | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 48 | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 2 | 57 | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 32 | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 30 | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 24 | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 18 | | | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 6 | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 1 | | | | | | | |
| Element (X) | ΣX^2 | | | ΣX | | | \bar{X} | | | σ_x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | $\leq 0 F$ | | $\leq 32 F$ | | $\geq 67 F$ | | $\geq 73 F$ | | $\geq 80 F$ | | $\geq 93 F$ | | Total |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

23104
STATIO

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

47-74

YEARS

AUG
MONTH

PAGE 2

0600-0800
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|------------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-----|-----|-------|-------|-------|-------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21 | 22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 26/ 25 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 1 1 | |
| TOTAL | .2 | 2.0 | 5.3 | 6.8 | 8.3 | 11.6 | 14.3 | 14.8 | 13.8 | 9.9 | 7.0 | 3.5 | 2.1 | .4 | .1 | | | | 2862 | 2871 | 2862 | 2862 | |
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DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|--|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 106/105 | | | | | | | | | | | | | | | | | .2 | 5 | 5 | | | | | |
| 104/103 | | | | | | | | | | | | | | | | | .4 | 13 | 13 | | | | | |
| 102/101 | | | | | | | | | | | | | | .1 | .4 | .5 | .4 | 41 | 41 | | | | | |
| 100/ 99 | | | | | | | | | | | | .0 | .2 | .6 | .7 | 1.0 | .6 | 93 | 93 | | | | | |
| 98/ 97 | | | | | | | | | | | .1 | .7 | 1.4 | 1.6 | 1.4 | .8 | .6 | 201 | 201 | | | | | |
| 96/ 95 | | | | | | | | | | .1 | .7 | 2.3 | 2.4 | 2.2 | 1.3 | .6 | .3 | 300 | 300 | | | | | |
| 94/ 93 | | | | | | | | .0 | .1 | 1.0 | 3.8 | 3.4 | 2.5 | 1.3 | .9 | .4 | .5 | 424 | 426 | | | | | |
| 92/ 91 | | | | | | | | .1 | 1.0 | 2.5 | 4.3 | 2.7 | 1.8 | 1.2 | .8 | .1 | .3 | 454 | 454 | | | | | |
| 90/ 89 | | | | | | .0 | .0 | .9 | 3.3 | 3.8 | 3.6 | 2.0 | 1.0 | .6 | .5 | .2 | .1 | 490 | 492 | | | | | |
| 88/ 87 | | | | | | .0 | .7 | 2.4 | 3.0 | 2.0 | 1.3 | .7 | .6 | .4 | .2 | .1 | | 342 | 344 | | | | | |
| 86/ 85 | | | | | .0 | .7 | 1.6 | 2.5 | 2.0 | .8 | .5 | .2 | .3 | .2 | .1 | | | 273 | 273 | | | | | |
| 84/ 83 | | | | .0 | .2 | 1.1 | 1.5 | 1.1 | .5 | .2 | .2 | .1 | .0 | .1 | .0 | | | 157 | 158 | | | | | |
| 82/ 81 | | | | | .8 | 1.0 | .7 | .3 | .1 | .2 | .0 | .1 | | | | | | 95 | 96 | | | | | |
| 80/ 79 | | | .1 | .5 | .8 | .5 | .2 | .0 | .0 | .1 | .1 | | .0 | | | | | 67 | 67 | | 3 | | | |
| 78/ 77 | | | .2 | .3 | .3 | .2 | .0 | | | | | .0 | | | | | | 30 | 31 | | 31 | | | |
| 76/ 75 | | .1 | .4 | .2 | .1 | | | | | | | | | | | | | 25 | 25 | | 286 | | | |
| 74/ 73 | | .1 | .2 | | | .1 | | | | | | | | | | | | 11 | 11 | | 730 | | | |
| 72/ 71 | | .2 | .1 | .0 | | | | | | | | | | | | | | 11 | 11 | | 798 | | | |
| 70/ 69 | | .1 | | | | | | | | | | | | | | | | 3 | 3 | | 563 | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | | 287 | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | 146 | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | 102 | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 48 | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 33 | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 6 | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 2 | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ x² | | Σ x | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

AUG
MONTH

0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|-------|-------|-------|--------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|------|-----------|----------|----------|-----------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 19 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 5 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 6 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 1 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 4 | |
| TOTAL | | .6 | 1.0 | 1.0 | 2.2 | 3.6 | 4.7 | 7.3 | 10.0 | 10.7 | 14.7 | 12.3 | 10.3 | 8.2 | 6.3 | 3.8 | 3.3 | | 3044 | | 3035 | |
| | | | | | | | | | | | | | | | | | | 3035 | | 3035 | | |
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USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1200-1400

HOURS (L, S, T.)

USAFETYAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

AUG
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

AUG
MONTH

HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

1800-2000

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 112/111 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 110/109 | | | | | | | | | | | | | | | | | | .1 | 3 | 3 | | | | |
| 108/107 | | | | | | | | | | | | | | | | | | .3 | 8 | 8 | | | | |
| 106/105 | | | | | | | | | | | | | | | | | .1 | 1.2 | 35 | 35 | | | | |
| 104/103 | | | | | | | | | | | | | | | | .2 | 1.1 | 2.6 | 109 | 109 | | | | |
| 102/101 | | | | | | | | | | | | | | .7 | 1.3 | 1.4 | 2.7 | 165 | 165 | | | | | |
| 100/ 99 | | | | | | | | | | | | .0 | .7 | 2.3 | 2.8 | 2.1 | 2.5 | 286 | 286 | | | | | |
| 98/ 97 | | | | | | | | | | | .1 | 1.1 | 2.6 | 3.5 | 2.4 | 1.7 | 1.8 | 364 | 365 | | | | | |
| 96/ 95 | | | | | | | | | .0 | .1 | .5 | 2.7 | 4.0 | 2.5 | 1.7 | .7 | .8 | 360 | 361 | | | | | |
| 94/ 93 | | | | | | | | | .0 | .5 | 2.7 | 3.7 | 3.2 | 1.5 | 1.1 | .6 | .4 | 374 | 375 | | | | | |
| 92/ 91 | | | | | | | | .1 | .5 | 1.8 | 3.3 | 2.2 | 1.6 | 1.1 | .6 | .4 | .0 | 321 | 321 | | | | | |
| 90/ 89 | | | | | | | .2 | .5 | 1.5 | 1.6 | 2.3 | .7 | .5 | .4 | .1 | .2 | .1 | 224 | 224 | | | | | |
| 88/ 87 | | | | | | .1 | .4 | 1.3 | 1.6 | 1.2 | .3 | .3 | .3 | .1 | .2 | | | 164 | 164 | | | | | |
| 86/ 85 | | | | | .0 | .3 | .8 | 1.0 | .7 | .2 | .1 | .3 | .0 | .1 | .0 | | | 102 | 102 | | | | | |
| 84/ 83 | | | | | .1 | .5 | .7 | .4 | .2 | .0 | .2 | | .0 | .1 | | | | 67 | 70 | | | | | |
| 82/ 81 | | | .0 | .2 | .4 | .9 | .5 | .2 | .0 | | | | | | | | | 63 | 63 | | | | | |
| 80/ 79 | | | .0 | .4 | .5 | .3 | .1 | .0 | | .0 | | | | | | | | 41 | 41 | 2 | | | | |
| 78/ 77 | | | .2 | .3 | .2 | .1 | | | | | | | | | | | | 21 | 21 | 33 | | | | |
| 76/ 75 | .0 | .3 | .3 | .1 | .1 | | | | | | | | | | | | | 21 | 21 | 234 | | | | |
| 74/ 73 | | .2 | .0 | .1 | | | | | | | | | | | | | | 8 | 8 | 647 | | | | |
| 72/ 71 | .0 | .1 | .0 | | | | | | | | | | | | | | | 4 | 4 | 744 | | | | |
| 70/ 69 | .0 | | .0 | .0 | | | | | | | | | | | | | | 3 | 3 | 510 | | | | |
| 68/ 67 | | | | | | | | | | | | | | | | | | | | 279 | | | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 138 | | | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 88 | | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | 44 | | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 23 | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σx^2 | | Σx | | \bar{x} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM
JUL 64

PSYCHROMETRIC SUMMARY

YEARS

1800-2000
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
RU 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

AUG
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 104/103 | | | | | | | | | | | | | | | | | | .1 | 2 | 2 | |
| 102/101 | | | | | | | | | | | | | | | | | | .2 | 4 | 4 | |
| 100/ 99 | | | | | | | | | | | | | | | .1 | .1 | | .2 | 9 | 9 | |
| 98/ 97 | | | | | | | | | | | .0 | .1 | .2 | .2 | .4 | .3 | .1 | .1 | 31 | 31 | |
| 96/ 95 | | | | | | | | | | | | .8 | .7 | .5 | .7 | .0 | | | 66 | 66 | |
| 94/ 93 | | | | | | | | | | .0 | .6 | 1.6 | 1.7 | .9 | .6 | .2 | .2 | .1 | 143 | 143 | |
| 92/ 91 | | | | | | | | | .0 | 1.2 | 2.8 | 7.8 | 1.6 | 1.1 | .7 | .1 | .2 | .2 | 258 | 259 | |
| 90/ 89 | | | | | | | | .2 | 1.6 | 4.5 | 3.7 | 2.4 | 1.7 | 1.0 | .7 | .0 | .1 | .1 | 309 | 390 | |
| 88/ 87 | | | | | | .1 | .4 | 1.3 | 3.6 | 4.4 | 2.4 | 2.0 | 1.4 | .6 | .3 | .2 | .0 | .0 | 408 | 409 | |
| 86/ 85 | | | | | | .5 | 1.6 | 3.2 | 3.0 | 2.3 | 1.4 | 1.6 | .8 | .5 | .1 | .0 | | | 365 | 365 | |
| 84/ 83 | | | | .0 | .4 | 1.2 | 2.4 | 2.1 | 1.4 | 1.2 | .9 | .7 | .5 | .2 | .0 | | | | 268 | 270 | |
| 82/ 81 | | | .0 | .2 | .9 | 1.6 | 1.2 | .5 | .3 | .4 | .4 | .5 | .2 | .1 | .0 | | | | 154 | 155 | |
| 80/ 79 | | .0 | .1 | .6 | 1.8 | 1.3 | .5 | .3 | .1 | .5 | .1 | .5 | .2 | .0 | | | | | 144 | 144 | |
| 78/ 77 | | .1 | .7 | 1.4 | .5 | .3 | .0 | .0 | .2 | .2 | .2 | .0 | | | | | | | 87 | 87 | 10 |
| 76/ 75 | | .2 | 1.3 | .5 | .0 | .1 | | .1 | .0 | .1 | .1 | .0 | | | | | | | 58 | 58 | 83 |
| 74/ 73 | | .4 | .3 | .2 | | | .0 | .0 | | .0 | | | | | | | | | 24 | 24 | 350 |
| 72/ 71 | .1 | .2 | .1 | .0 | .0 | | | | | | | | | | | | | | 13 | 13 | 648 |
| 70/ 69 | .1 | .0 | .0 | .0 | | | | | | | | | | | | | | | 5 | 5 | 510 |
| 68/ 67 | .0 | .0 | | | | | | | | | | | | | | | | | 2 | 2 | 302 |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | | 192 |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | | 156 |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 86 |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 49 |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 34 |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 9 |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 2 |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 101 |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 98 |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 72 |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 57 |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 35 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 32 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 18 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 16 |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Rcl. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

2100-2300
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60,63-65,72-74
YEARS

SEP
MONTH

PAGE 1 0000-0200
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | .1 | 1 | 1 | | | | | |
| 94/ 93 | | | | | | | | | | | | .1 | .1 | | | | .1 | 4 | 4 | | | | | |
| 92/ 91 | | | | | | | | | | .1 | | | | | .1 | | | 2 | 2 | | | | | |
| 90/ 89 | | | | | | | | | | .1 | .3 | .1 | .2 | | | | | 12 | 12 | | | | | |
| 88/ 87 | | | | | | | | | .1 | .7 | .4 | .6 | .4 | .1 | | .1 | | 44 | 44 | | | | | |
| 86/ 85 | | | | | | | .2 | .2 | 1.1 | .9 | .8 | .9 | .4 | .2 | .1 | | | 90 | 90 | | | | | |
| 84/ 83 | | | | | | | .6 | .9 | .7 | 2.8 | 1.8 | .6 | .4 | .2 | .1 | | | 158 | 158 | | | | | |
| 82/ 81 | | | | | .1 | .5 | .3 | 1.0 | 1.6 | 2.0 | 1.7 | 1.1 | .3 | .1 | | | | 178 | 178 | | | | | |
| 80/ 79 | | | | .1 | .6 | 1.3 | 1.6 | 1.8 | 2.1 | 2.1 | 2.3 | .7 | .4 | .1 | .1 | | | 257 | 258 | | | | | |
| 78/ 77 | | | .1 | .5 | 1.1 | .6 | 2.4 | 2.0 | 1.5 | 2.7 | 1.3 | .3 | .2 | .1 | | | | 249 | 251 | | | | | |
| 76/ 75 | | .2 | .6 | .8 | .8 | 1.2 | 1.3 | 2.2 | 2.1 | 1.5 | 1.3 | .4 | .1 | | | | | 242 | 242 | | | | | |
| 74/ 73 | .1 | .3 | 1.0 | .9 | .7 | 1.1 | 1.2 | 1.8 | 2.1 | 2.2 | .5 | .1 | | | | | | 233 | 233 | 17 | 2 | | | |
| 72/ 71 | .1 | .3 | .8 | .6 | .8 | .6 | 1.2 | 1.7 | 1.7 | 1.4 | .3 | .1 | | | | | | 186 | 186 | 98 | 18 | | | |
| 70/ 69 | .2 | .1 | .6 | .2 | .5 | 1.0 | 1.1 | 1.3 | 1.1 | .8 | .1 | | | | | | | 132 | 132 | 164 | 44 | | | |
| 68/ 67 | .2 | .1 | .2 | .1 | .3 | .6 | .6 | 1.2 | .9 | .5 | .2 | | | | | | | 92 | 92 | 175 | 63 | | | |
| 66/ 65 | .2 | | .3 | | .1 | .2 | .5 | .5 | .5 | .2 | .1 | | | | | | | 46 | 46 | 279 | 102 | | | |
| 64/ 63 | | .1 | .1 | | .1 | .1 | .1 | .3 | .3 | | .1 | | | | | | | 18 | 18 | 241 | 90 | | | |
| 62/ 61 | | .2 | | | .1 | .1 | .1 | .2 | | .1 | | | | | | | | 12 | 12 | 226 | 98 | | | |
| 60/ 59 | .1 | .1 | | | | .1 | .1 | .1 | | | | | | | | | | 7 | 7 | 243 | 150 | | | |
| 58/ 57 | | .1 | | | .1 | .1 | | | | | | | | | | | | 3 | 3 | 180 | 116 | | | |
| 56/ 55 | | | .1 | .1 | | | | | | | | | | | | | | 2 | 2 | 160 | 148 | | | |
| 54/ 53 | | .1 | .1 | .1 | | | | | | | | | | | | | | 3 | 3 | 99 | 159 | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 37 | 143 | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 37 | 140 | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 11 | 139 | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 3 | 135 | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 1 | 97 | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 104 | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 69 | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 46 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 34 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 19 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 20 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 17 | | | |
| Element (X) | Σ X ² | | Σ X | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | Σ | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 3-26-5 (OL A) JUL 64

PSYCHROMETRIC SUMMARY

SEP
MONTH

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0300-0500

HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

PAGE 1 0600-0800
HOURS (L. S. T.)

[illegible]

42-74

PAGE 2

SEP
MONTH
0600-08
HOURS L. S. T

| | | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|----|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|------|----------|----------|-------|--|--|--|--|--|--|--|--|-------|--|-------|--|--|
| Temp. (F) | | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | = 31 | D.B./W.B. | | Dry Bulb | Wet Bulb | Dew P | | | | | | | | | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| TOTAL | .4 | 1.6 | 3.8 | 4.3 | 7.4 | 9.8 | 14.2 | 15.9 | 15.2 | 13.0 | 7.2 | 4.5 | 1.5 | 1.0 | .2 | .1 | | | | 2703 | 2709 | 2703 | 2703 | | | | | | | | | | | | | |

| Element (X) | $\Sigma x'$ | Σx | \bar{x} | s^2 | No. Obs. | Mean No. of Hours with Temperature | | | | | Total | |
|-------------|-------------|------------|-----------|--------|----------|------------------------------------|--------|--------|--------|--------|--------|----|
| | | | | | | = 0 F | = 32 F | = 67 F | = 73 F | = 80 F | = 93 F | |
| Rel. Hum. | 6797257 | 127849 | 47.3 | 16.662 | 2703 | | | 78.3 | 55.3 | 22.0 | .1 | 90 |
| Dry Bulb | 15107825 | 201439 | 74.4 | 6.902 | 2709 | | | 19.9 | .9 | | | 90 |
| Wet Bulb | 10174277 | 164925 | 61.0 | 6.418 | 2703 | | | 4.1 | 4.6 | .2 | | 90 |
| Dew Point | 7463048 | 139224 | 51.5 | 10.396 | 2703 | | | | | | | 90 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLLR

42-74

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1 0900-1100

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | | | | | | | | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|----------|----------|-----------|--------------------|-------|-----|--|-----|--|-----|--|-----|--|-----|--|-----|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | | | | | | | | | | | |
| 104/103 | | | | | | | | | | | | | | | | | .4 | 11 | 11 | | | | | | | | | | | | | | | |
| 102/101 | | | | | | | | | | | | | | | | | .6 | 27 | 27 | | | | | | | | | | | | | | | |
| 100/ 99 | | | | | | | | | | | | | | .1 | .1 | .5 | .6 | .9 | 61 | 61 | | | | | | | | | | | | | | |
| 98/ 97 | | | | | | | | | | | | | .1 | .2 | .6 | 1.2 | .7 | 1.1 | 111 | 111 | | | | | | | | | | | | | | |
| 96/ 95 | | | | | | | | | | | .1 | .5 | 1.1 | 1.0 | 1.6 | 1.5 | .7 | 191 | 191 | | | | | | | | | | | | | | | |
| 94/ 93 | | | | | | | | | | | .6 | 1.0 | 1.3 | 2.1 | 1.4 | .5 | .6 | 216 | 216 | | | | | | | | | | | | | | | |
| 92/ 91 | | | | | | | | | | .0 | .4 | 1.4 | 2.1 | 2.1 | 1.7 | 1.2 | 1.1 | .4 | 301 | 301 | | | | | | | | | | | | | | |
| 90/ 89 | | | | | | | | | | .7 | 1.4 | 1.9 | 2.0 | 2.3 | 1.7 | 1.1 | .3 | .3 | 335 | 335 | | | | | | | | | | | | | | |
| 88/ 87 | | | | | | | | .2 | .4 | 1.1 | 2.0 | 2.0 | 1.8 | 1.6 | 1.6 | .9 | .3 | .1 | 350 | 350 | | | | | | | | | | | | | | |
| 86/ 85 | | | | | | .0 | .3 | 1.2 | 1.1 | 1.9 | 1.6 | 1.5 | 1.5 | 1.2 | .2 | .2 | | 316 | 316 | | | | | | | | | | | | | | | |
| 84/ 83 | | | | | .0 | .1 | .7 | .9 | 1.6 | 1.2 | 1.5 | .9 | 1.1 | .8 | .4 | .0 | | 264 | 264 | | | | | | | | | | | | | | | |
| 82/ 81 | | | | .1 | .2 | .5 | .9 | 1.1 | .7 | .6 | 1.2 | 1.2 | 1.0 | .2 | .2 | .0 | | 229 | 229 | | | | | | | | | | | | | | | |
| 80/ 79 | | .5 | | .1 | .2 | .6 | .7 | .7 | .7 | .6 | .7 | .6 | .3 | .2 | .1 | | | 161 | 161 | | | | | | | | | | | | | | | |
| 78/ 77 | | | .1 | .2 | .3 | .5 | .3 | .6 | .6 | .4 | .7 | .6 | .2 | .1 | | | | 133 | 133 | 2 | | | | | | | | | | | | | | |
| 76/ 75 | .5 | | | .2 | .3 | .3 | .1 | .3 | .1 | .2 | .3 | .3 | .2 | .0 | | | | 71 | 71 | 26 | | | | | | | | | | | | | | |
| 74/ 73 | | | .1 | .3 | .2 | .3 | .1 | .1 | .1 | .4 | .1 | .1 | .0 | | | | | 57 | 57 | 157 | | | | | | | | | | | | | | |
| 72/ 71 | .0 | | .1 | .2 | .1 | .1 | .1 | .0 | .0 | .1 | .1 | .1 | | | | | | 26 | 26 | 333 | | | | | | | | | | | | | | |
| 70/ 69 | | | .2 | .1 | | | .0 | .0 | .0 | .1 | .0 | | | | | | | 15 | 15 | 470 | | | | | | | | | | | | | | |
| 68/ 67 | | .0 | .1 | | | .0 | | | | | | | | | | | | 5 | 5 | 491 | | | | | | | | | | | | | | |
| 66/ 65 | .1 | .0 | .0 | .0 | .0 | | | | .0 | | | | | | | | | 8 | 8 | 419 | | | | | | | | | | | | | | |
| 64/ 63 | | | .0 | | .0 | | | .0 | | | | | | | | | | 3 | 3 | 315 | | | | | | | | | | | | | | |
| 62/ 61 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 275 | | | | | | | | | | | | | | |
| 60/ 59 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 175 | | | | | | | | | | | | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 111 | | | | | | | | | | | | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 71 | | | | | | | | | | | | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 29 | | | | | | | | | | | | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 17 | | | | | | | | | | | | | | |
| 50/ 50 | | | | | | | | | | | | | | | | | | | | 2 | | | | | | | | | | | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | | Σ X | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

0900-1100

HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF EFAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 112/111 | | | | | | | | | | | | | | | | | .2 | 5 | 5 | | | | |
| 110/109 | | | | | | | | | | | | | | | | | .3 | 8 | 8 | | | | |
| 108/107 | | | | | | | | | | | | | | | | | .0 | .7 | 22 | 22 | | | |
| 106/105 | | | | | | | | | | | | | | | | | .1 | 2.3 | 72 | 72 | | | |
| 104/103 | | | | | | | | | | | | | | | .1 | .5 | 4.3 | 142 | 142 | | | | |
| 102/101 | | | | | | | | | | | | | | | .1 | .9 | 1.6 | 5.0 | 221 | 221 | | | |
| 100/ 99 | | | | | | | | | | | | .1 | .3 | 1.1 | 2.1 | 2.3 | 4.8 | 311 | 311 | | | | |
| 98/ 97 | | | | | | | | | | | .0 | .1 | 1.2 | 1.7 | 2.2 | 2.0 | 3.4 | 311 | 311 | | | | |
| 96/ 95 | | | | | | | | | | | .2 | 1.1 | 2.0 | 2.4 | 2.5 | 2.3 | 3.1 | 398 | 399 | | | | |
| 94/ 93 | | | | | | | | | | .3 | .4 | 1.8 | 1.8 | 1.6 | 1.7 | 1.7 | 1.6 | 313 | 313 | | | | |
| 92/ 91 | | | | | | | | | .1 | .6 | 1.3 | 1.3 | 1.3 | 1.4 | 1.6 | 1.1 | .8 | 275 | 275 | | | | |
| 90/ 89 | | | | | | | | .0 | .3 | .9 | 1.4 | .9 | 1.4 | 1.5 | 1.5 | .9 | .4 | 268 | 268 | | | | |
| 88/ 87 | | | | | | | .1 | .3 | .7 | .8 | .6 | .7 | .8 | .8 | .6 | .3 | .2 | 168 | 168 | | | | |
| 86/ 85 | | | | | | .1 | .1 | .7 | .4 | .8 | .6 | .4 | .5 | .3 | .3 | .3 | .0 | 130 | 130 | | | | |
| 84/ 83 | | | | | | .1 | .2 | .5 | .4 | .4 | .3 | .2 | .3 | .2 | .2 | .1 | .0 | 86 | 86 | | | | |
| 82/ 81 | | | .0 | .0 | .1 | .2 | .4 | .4 | .2 | .2 | .2 | .1 | .1 | .1 | | | | 53 | 58 | | | | |
| 80/ 79 | | | .0 | .0 | .0 | .4 | .2 | .2 | .0 | .1 | .1 | | .0 | .1 | | | | 36 | 36 | | | | |
| 78/ 77 | | | .1 | .1 | .2 | .1 | .2 | .1 | .1 | .1 | .1 | .0 | .2 | | | | | 29 | 29 | 8 | | | |
| 76/ 75 | | | .0 | .1 | .1 | .0 | .1 | .1 | | .0 | .0 | .0 | .0 | | | | | 15 | 15 | 75 | 1 | | |
| 74/ 73 | | | .1 | .2 | .0 | | | | .0 | | | .0 | | | | | | 9 | 9 | 259 | 2 | | |
| 72/ 71 | | .0 | .0 | .1 | | | | | .0 | | | | | | | | | 6 | 6 | 486 | 4 | | |
| 70/ 69 | | .1 | .0 | | | | | .0 | | | | | | | | | | 4 | 4 | 540 | 21 | | |
| 68/ 67 | .0 | | .1 | | | .0 | .0 | | | | | | | | | | | 5 | 5 | 463 | 61 | | |
| 66/ 65 | | | | | | | | | | | | | | | | | | | | 381 | 114 | | |
| 64/ 63 | | | | | | | | | | | | | | | | | | | | 322 | 154 | | |
| 62/ 61 | | .0 | .0 | | | | | | | | | | | | | | | 2 | 2 | 188 | 214 | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | 80 | 215 | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 52 | 226 | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 28 | 246 | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 10 | 218 | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 2 | 209 | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 200 | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 161 | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 175 | | |
| Element (X) | Σ X ² | | Σ X | | X̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PAGE 2

1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 148 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 124 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 106 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 83 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 66 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 38 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 35 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 20 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 24 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 15 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 10 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 1 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 1 |
| TOTAL | .0 | .1 | .3 | .4 | .4 | 1.0 | 1.2 | 2.2 | 2.2 | 4.1 | 5.4 | 6.8 | 10.1 | 11.3 | 13.7 | 13.3 | 27.3 | 2894 | 2895 | 2894 | 2894 |
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PSYCHROMETRIC SUMMARY

YEARS

SEP
MONTH

1500-1700

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 114/113 | | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | | | |
| 112/111 | | | | | | | | | | | | | | | | | | .3 | 7 | 7 | | | | |
| 110/109 | | | | | | | | | | | | | | | | | | .6 | 16 | 16 | | | | |
| 108/107 | | | | | | | | | | | | | | | | | | 1.6 | 46 | 46 | | | | |
| 106/105 | | | | | | | | | | | | | | | | | .1 | 4.1 | 118 | 118 | | | | |
| 104/103 | | | | | | | | | | | | | | | .0 | .1 | .9 | 6.3 | 205 | 205 | | | | |
| 102/101 | | | | | | | | | | | | | | | .2 | 1.2 | 1.3 | 7.1 | 272 | 272 | | | | |
| 100/ 99 | | | | | | | | | | | | .0 | .1 | .9 | 2.2 | 2.6 | 7.4 | 370 | 370 | | | | | |
| 98/ 97 | | | | | | | | | | | | .3 | 1.3 | 1.9 | 2.0 | 2.5 | 5.0 | 365 | 365 | | | | | |
| 96/ 95 | | | | | | | | | | .0 | | .9 | 1.4 | 2.0 | 1.8 | 1.9 | 4.0 | 335 | 335 | | | | | |
| 94/ 93 | | | | | | | | | | .1 | .3 | .9 | 1.4 | 1.3 | 1.6 | 1.6 | 2.1 | 261 | 261 | | | | | |
| 92/ 91 | | | | | | | | | .1 | .5 | .9 | .9 | .9 | 1.4 | 1.3 | 1.1 | .8 | 222 | 222 | | | | | |
| 90/ 89 | | | | | | | | | .0 | .2 | .7 | .6 | 1.0 | 1.1 | 1.0 | .8 | .7 | .5 | 185 | 185 | | | | |
| 88/ 87 | | | | | | | | .0 | .2 | .5 | .4 | .3 | .6 | .6 | .5 | .5 | .4 | .4 | 122 | 122 | | | | |
| 86/ 85 | | | | | | | | .3 | .3 | .3 | .6 | .1 | .3 | .4 | .2 | .1 | .1 | | 77 | 77 | | | | |
| 84/ 83 | | | | | .0 | | | .3 | .2 | .4 | .2 | .3 | .1 | .2 | .0 | .1 | .0 | | 51 | 52 | | | | |
| 82/ 81 | | | | | .1 | .0 | .2 | .3 | .1 | .1 | .2 | .0 | .1 | | .1 | | | | 32 | 32 | | | | |
| 80/ 79 | | | .1 | .1 | .1 | .2 | .1 | .2 | .1 | .1 | .1 | .1 | .1 | .1 | | | | | 38 | 38 | | | | |
| 78/ 77 | | | | .1 | .1 | .2 | .0 | .0 | .1 | | .2 | | | | | | | | 20 | 20 | | | | |
| 76/ 75 | .0 | | | .2 | .1 | .1 | .0 | | | | .0 | | | | | | | | 13 | 13 | | | | |
| 74/ 73 | | .0 | .1 | .1 | .0 | .1 | | | | .0 | .0 | | | | | | | | 13 | 13 | 7 | | | |
| 72/ 71 | | | .1 | .1 | .1 | .0 | | | | | | | | | | | | | 8 | 8 | 269 | | | |
| 70/ 69 | | .1 | .1 | .0 | | | .0 | | | | | | | | | | | | 8 | 8 | 404 | | | |
| 68/ 67 | | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 6 | | | |
| 66/ 65 | | | .0 | .0 | | | | | | | | | | | | | | | 2 | 2 | 525 | | | |
| 64/ 63 | | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 23 | | | |
| 62/ 61 | | | | | | | | | | | | | | | | | | | | | 499 | | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | | | 51 | | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | | 70 | | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | | 117 | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | | 180 | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | | 157 | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | | 88 | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | | 176 | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Ref. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

1500-1700
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

SEP

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | |
| 108/107 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 106/105 | | | | | | | | | | | | | | | | | .3 | 8 | 8 | | | | |
| 104/103 | | | | | | | | | | | | | | | | | .9 | 26 | 26 | | | | |
| 102/101 | | | | | | | | | | | | | | .0 | .1 | .4 | 1.1 | 43 | 43 | | | | |
| 100/ 99 | | | | | | | | | | | | | .0 | .5 | .7 | .8 | 1.3 | 88 | 88 | | | | |
| 98/ 97 | | | | | | | | | | | | .1 | .4 | .7 | 1.7 | 1.2 | 1.7 | 151 | 151 | | | | |
| 96/ 95 | | | | | | | | | | .0 | .0 | .3 | 1.1 | 1.8 | 1.4 | 1.5 | 1.2 | 197 | 193 | | | | |
| 94/ 93 | | | | | | | | | | .0 | .4 | 1.1 | 2.0 | 2.3 | 1.4 | 1.0 | .7 | 233 | 233 | | | | |
| 92/ 91 | | | | | | | | | .0 | .3 | .8 | 1.9 | 2.5 | 1.8 | 1.4 | .7 | .8 | 266 | 266 | | | | |
| 90/ 89 | | | | | | | | .1 | .1 | 1.3 | 1.4 | 2.3 | 2.8 | 2.5 | .8 | 1.0 | .3 | 328 | 328 | | | | |
| 88/ 87 | | | | | | | .0 | .3 | .7 | 1.0 | 2.0 | 2.3 | 1.7 | 1.1 | 1.1 | .4 | .1 | 278 | 278 | | | | |
| 86/ 85 | | | | | | .0 | .2 | .4 | .8 | 1.6 | 1.7 | 2.0 | 2.0 | 1.0 | .7 | .2 | | 276 | 276 | | | | |
| 84/ 83 | | | | | | .1 | .3 | .4 | .8 | 1.1 | 1.2 | 1.7 | 1.2 | .4 | .2 | .2 | | 193 | 193 | | | | |
| 82/ 81 | | | | | .2 | .5 | .7 | .7 | .5 | 1.0 | 1.2 | 1.0 | .8 | .2 | .1 | | | 177 | 177 | | | | |
| 80/ 79 | | | | .2 | .1 | .3 | .6 | .4 | .4 | .8 | .6 | .7 | .4 | .3 | .1 | | | 124 | 124 | | | | |
| 78/ 77 | | | .2 | .2 | .4 | .2 | .2 | .2 | .2 | .3 | .3 | .5 | .1 | .0 | | | | 72 | 72 | 1 | | | |
| 76/ 75 | | | .1 | .4 | .6 | .2 | .2 | .2 | .1 | .3 | .1 | .2 | .0 | | | | | 60 | 60 | 21 | | | |
| 74/ 73 | | .1 | .2 | .0 | .1 | .1 | .1 | .1 | .2 | .1 | .1 | .1 | .0 | | | | | 29 | 29 | 106 | 3 | | |
| 72/ 71 | | .1 | .2 | .2 | .1 | .0 | .0 | .0 | | .1 | .0 | | | | | | | 20 | 20 | 277 | 15 | | |
| 70/ 69 | .0 | .2 | .2 | .1 | .1 | | | | .1 | .0 | | | | | | | | 18 | 18 | 419 | 28 | | |
| 68/ 67 | .0 | .1 | .1 | | | .0 | | | | | | | | | | | | 6 | 6 | 468 | 47 | | |
| 66/ 65 | | | .0 | .0 | .1 | | .0 | | | .0 | | | | | | | | 6 | 6 | 408 | 94 | | |
| 64/ 63 | | .0 | .1 | | | | | | | | | | | | | | | 3 | 3 | 331 | 127 | | |
| 62/ 61 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 238 | 143 | | |
| 60/ 59 | | | | | | | | | | | | | | | | | | | 1 | 166 | 192 | | |
| 58/ 57 | | | | | | | | | | | | | | | | | | | | 92 | 198 | | |
| 56/ 55 | | | | | | | | | | | | | | | | | | | | 45 | 256 | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 21 | 207 | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 4 | 232 | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 1 | 201 | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 1 | 175 | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | | 162 | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 122 | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 108 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1800-2000
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

SEP
MONTH

PAGE 1 2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 100/ 99 | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | | | | |
| 96/ 95 | | | | | | | | | | | | | | | .3 | .1 | .1 | 10 | 10 | | | | | |
| 94/ 93 | | | | | | | | | | | | .2 | .1 | .3 | .1 | .3 | .1 | 25 | 25 | | | | | |
| 92/ 91 | | | | | | | | | | .0 | .4 | .6 | .8 | .7 | .4 | .1 | .0 | 68 | 68 | | | | | |
| 90/ 89 | | | | | | | | | .1 | .4 | 1.1 | 1.6 | 1.2 | .6 | .1 | .1 | .1 | 118 | 118 | | | | | |
| 88/ 87 | | | | | | | .1 | .1 | .6 | 1.2 | 1.7 | 2.3 | 1.4 | .6 | .2 | .2 | .0 | 190 | 190 | | | | | |
| 86/ 85 | | | | | | .0 | .2 | .8 | 1.5 | 1.6 | 2.4 | 2.3 | 1.6 | .8 | .4 | .1 | | 262 | 262 | | | | | |
| 84/ 83 | | | | | | | .1 | .5 | 1.3 | 1.7 | 2.1 | 2.0 | 2.3 | 1.5 | .5 | .4 | .1 | 284 | 284 | | | | | |
| 82/ 81 | | | | | .1 | .4 | 1.0 | 1.1 | 1.6 | 2.3 | 2.3 | 1.6 | 1.2 | .4 | .0 | | | 270 | 271 | | | | | |
| 80/ 79 | | | | | .4 | 1.0 | .9 | 1.2 | 2.1 | 2.0 | 2.4 | 1.6 | .8 | .1 | .1 | | | 285 | 285 | | | | | |
| 78/ 77 | | | .1 | .3 | .5 | .6 | .5 | .8 | 1.5 | 1.6 | 1.5 | 1.2 | .3 | .0 | .0 | | | 198 | 198 | | | | | |
| 76/ 75 | | .2 | .8 | .3 | .7 | .9 | .6 | .9 | 1.6 | 1.5 | .9 | .4 | .2 | .0 | .0 | | | 199 | 199 | 4 | | | | |
| 74/ 73 | .0 | .1 | .6 | .8 | .2 | .5 | .8 | .4 | .8 | 1.1 | .9 | .4 | .1 | .1 | | | | 150 | 150 | 25 | 1 | | | |
| 72/ 71 | | .1 | .4 | .2 | .2 | .3 | .4 | .5 | 1.0 | .5 | .4 | .0 | | | | | | 90 | 90 | 141 | 22 | | | |
| 70/ 69 | .0 | .1 | .2 | .0 | .1 | .1 | .3 | .4 | .3 | .2 | .4 | .1 | | | | | | 49 | 49 | 240 | 33 | | | |
| 68/ 67 | .0 | .3 | .0 | .1 | | .2 | | .0 | .3 | .1 | .0 | | | | | | | 26 | 26 | 299 | 54 | | | |
| 66/ 65 | .1 | | .1 | | | .1 | .0 | .1 | .0 | .1 | | | | | | | | 13 | 13 | 309 | 117 | | | |
| 64/ 63 | | .0 | .1 | | | .0 | .0 | .0 | | .0 | | | | | | | | 8 | 8 | 306 | 91 | | | |
| 62/ 61 | .1 | .0 | | | .0 | | | | | | | | | | | | | 4 | 4 | 270 | 119 | | | |
| 60/ 59 | | | | | | | | | .0 | | | | | | | | | 1 | 1 | 243 | 141 | | | |
| 58/ 57 | | | .1 | | | | | | | | | | | | | | | 3 | 3 | 184 | 172 | | | |
| 56/ 55 | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 127 | 162 | | | |
| 54/ 53 | | | | | | | | | | | | | | | | | | | | 56 | 194 | | | |
| 52/ 51 | | | | | | | | | | | | | | | | | | | | 33 | 172 | | | |
| 50/ 49 | | | | | | | | | | | | | | | | | | | | 14 | 154 | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 4 | 158 | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 2 | 149 | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | | 124 | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 97 | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 88 | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 67 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 42 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 23 | | | |
| Element (X) | Σ x ² | | Σ x | | X | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OLA) JUL 64

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

2100-2300
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-60, 63-65, 72-74

NOT

PAGE 1

0000-0200
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

0000-0200

HOURS (L, S, T,)

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

0CT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 82/ 81 | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | | | | |
| 80/ 79 | | | | | | | | | | .0 | | .1 | | | .0 | | | 4 | 4 | | | | | |
| 78/ 77 | | | | | | .0 | | | .2 | .1 | .0 | | | | | | | 10 | 10 | | | | | |
| 76/ 75 | | | | | .1 | .2 | .3 | .3 | .3 | .2 | .2 | .0 | .0 | | .0 | | | 34 | 36 | | | | | |
| 74/ 73 | | | .0 | .1 | | .4 | .5 | .7 | .6 | .4 | .1 | .1 | | | | | | 67 | 69 | | | | | |
| 72/ 71 | | .1 | .1 | .1 | .3 | .3 | .5 | .6 | 1.3 | .3 | .2 | .0 | .0 | | | | | 87 | 89 | | | | | |
| 70/ 69 | | .1 | .3 | .4 | .6 | .7 | .9 | 1.8 | 1.2 | .8 | .2 | .0 | | | | | | 157 | 158 | 7 | | | | |
| 68/ 67 | .0 | .3 | .2 | .4 | 1.0 | .7 | 2.1 | 2.2 | 1.5 | .6 | .1 | | | | | | | 204 | 206 | 13 | 7 | | | |
| 66/ 65 | | .5 | .5 | .5 | 1.0 | 1.3 | 2.6 | 2.6 | 1.6 | .4 | .0 | | | | | | | 249 | 249 | 32 | 13 | | | |
| 64/ 63 | | .7 | .4 | .8 | 1.3 | 2.1 | 1.8 | 1.6 | 1.5 | .4 | .0 | | | | | | | 237 | 237 | 47 | 22 | | | |
| 62/ 61 | .1 | .3 | .7 | .9 | 1.6 | 1.6 | 2.6 | 1.9 | 1.4 | .1 | | | | | | | | 253 | 253 | 85 | 31 | | | |
| 60/ 59 | | .8 | 1.0 | 1.2 | 2.2 | 2.1 | 1.9 | 2.0 | .8 | .0 | | | | | | | | 270 | 270 | 111 | 46 | | | |
| 58/ 57 | .0 | .7 | .4 | .4 | .8 | 1.4 | 1.2 | 1.6 | .1 | | | | | | | | | 153 | 153 | 174 | 39 | | | |
| 56/ 55 | .2 | .8 | .7 | .6 | 1.3 | 1.6 | 1.5 | .4 | .1 | | | | | | | | | 162 | 162 | 269 | 90 | | | |
| 54/ 53 | | .4 | .4 | .4 | .9 | 1.2 | .9 | .0 | | | | | | | | | | 98 | 98 | 279 | 103 | | | |
| 52/ 51 | | .4 | .6 | .8 | .8 | 1.1 | .3 | .1 | | | | | | | | | | 92 | 92 | 259 | 108 | | | |
| 50/ 49 | .1 | .4 | .3 | .5 | .7 | .4 | .1 | .1 | | | | | | | | | | 57 | 57 | 253 | 112 | | | |
| 48/ 47 | | .2 | .3 | .2 | .7 | .4 | .2 | | | | | | | | | | | 44 | 44 | 214 | 157 | | | |
| 46/ 45 | | .1 | .3 | .2 | .4 | .1 | .1 | | | | | | | | | | | 29 | 29 | 193 | 181 | | | |
| 44/ 43 | | .2 | .3 | .1 | .2 | .1 | | | | | | | | | | | | 21 | 21 | 141 | 169 | | | |
| 42/ 41 | | .0 | | .1 | | .0 | | | | | | | | | | | | 4 | 4 | 73 | 179 | | | |
| 40/ 39 | .1 | .1 | .2 | | | | | | | | | | | | | | | 9 | 9 | 49 | 173 | | | |
| 38/ 37 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 26 | 129 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 13 | 131 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | 121 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 1 | 117 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 99 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 71 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 65 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 31 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 15 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 14 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 4 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| Element (X) | Σ x ² | | Σ x | | x̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | |
| Ref. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

42-74

YEARS

OCT

MON 4

PAGE 2

0300-0500

HOURS (L, S, T.)

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

MONTH

0600-0800

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 86/ 85 | | | | | | | | | | | | | | .0 | | | | | 1 | 1 | | | | |
| 84/ 83 | | | | | | | | | .0 | .0 | | | .0 | .0 | | | | | 4 | 4 | | | | |
| 82/ 81 | | | | | | | | .0 | .0 | .1 | | | | .0 | | | | | 5 | 5 | | | | |
| 80/ 79 | | | | | | | | .0 | .1 | .3 | .4 | .1 | .0 | .0 | .0 | | | | 27 | 27 | | | | |
| 78/ 77 | | | | | .1 | | .0 | .1 | .3 | .3 | .1 | .0 | .0 | | .0 | | | | 28 | 29 | | | | |
| 76/ 75 | | | | .1 | .1 | .1 | .1 | .5 | .4 | .5 | .2 | .1 | .1 | | | | | | 61 | 61 | | | | |
| 74/ 73 | | | .1 | .1 | .3 | .3 | .5 | .6 | .5 | .6 | .4 | .1 | .1 | | | | | | 101 | 104 | | | | |
| 72/ 71 | | | .2 | .1 | .5 | .5 | .8 | 1.0 | .7 | .5 | .6 | .1 | .0 | | | | | | 141 | 143 | | | | |
| 70/ 69 | | | .4 | .3 | .4 | .7 | 1.4 | 1.5 | .9 | 1.0 | .3 | .1 | | | | | | | 198 | 199 | 10 | 2 | | |
| 68/ 67 | .0 | .4 | .5 | .4 | .5 | 1.4 | 1.3 | 2.0 | 1.6 | 1.0 | .2 | | | | | | | | 259 | 260 | 19 | 5 | | |
| 66/ 65 | | .3 | .4 | .6 | 1.0 | 1.0 | 1.4 | 1.9 | 1.2 | .5 | .1 | | | | | | | | 235 | 236 | 43 | 16 | | |
| 64/ 63 | .1 | .3 | .9 | .8 | 1.1 | 1.6 | 2.1 | 1.2 | 1.1 | .4 | .1 | | | | | | | | 273 | 273 | 74 | 27 | | |
| 62/ 61 | | .4 | .6 | .8 | 1.6 | 1.8 | 1.6 | 1.6 | 1.0 | .2 | | | | | | | | | 268 | 268 | 113 | 40 | | |
| 60/ 59 | .1 | .6 | .4 | 1.1 | 1.4 | 2.3 | 1.6 | 1.6 | .7 | .1 | | | | | | | | | 281 | 281 | '36 | 56 | | |
| 58/ 57 | .0 | .7 | .8 | .7 | 1.3 | 1.4 | 1.7 | 1.4 | .1 | .0 | .0 | | | | | | | | 223 | 223 | 223 | 68 | | |
| 56/ 55 | .1 | .4 | .7 | .6 | .6 | 1.1 | 2.0 | .9 | .1 | .1 | | | | | | | | | 182 | 182 | 267 | 103 | | |
| 54/ 53 | .0 | .6 | .5 | .8 | .5 | 1.4 | 1.3 | .2 | | | | | | | | | | | 152 | 152 | 299 | 118 | | |
| 52/ 51 | .0 | .4 | .6 | .6 | .6 | .9 | .8 | | .1 | | | | | | | | | | 111 | 111 | 346 | 124 | | |
| 50/ 49 | | .1 | .5 | .4 | .6 | .5 | .3 | .1 | | | | | | | | | | | 74 | 74 | 286 | 193 | | |
| 48/ 47 | .1 | .3 | .3 | .2 | .7 | .4 | .2 | .1 | | | | | | | | | | | 63 | 63 | 243 | 178 | | |
| 46/ 45 | .0 | .1 | .3 | .2 | .5 | .3 | .1 | | | | | | | | | | | | 45 | 45 | 221 | 189 | | |
| 44/ 43 | | .3 | .3 | .2 | .3 | .1 | .1 | | | | | | | | | | | | 35 | 35 | 185 | 212 | | |
| 42/ 41 | | .2 | .0 | .1 | .0 | .1 | | | | | | | | | | | | | 13 | 13 | 116 | 183 | | |
| 40/ 39 | .0 | .1 | .0 | .0 | | .0 | | | | | | | | | | | | | 6 | 6 | 77 | 185 | | |
| 38/ 37 | | .1 | .1 | .1 | | .1 | | | | | | | | | | | | | 9 | 9 | 46 | 156 | | |
| 36/ 35 | .0 | | | | | | | | | | | | | | | | | | 1 | 1 | 24 | 164 | | |
| 34/ 33 | | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 10 | 155 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 5 | 135 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 3 | 147 | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 1 | 101 | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | 83 | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | 71 | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 34 | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 16 | | |
| Element (X) | Σ X ² | | | Σ X | | | X̄ | | | s _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

NET
MONTH

PAGE 2 0600-0800
HOURS (L. S. T.)

[illegible]0-26-5 (01-A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-74

11CT

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 98/ 97 | | | | | | | | | | | | | | | | | .1 | 2 | 2 | | |
| 96/ 95 | | | | | | | | | | | | .0 | .1 | .0 | | | .1 | .2 | 13 | 13 | |
| 94/ 93 | | | | | | | | | | | | .0 | .0 | .1 | .2 | | .2 | .3 | 26 | 26 | |
| 92/ 91 | | | | | | | | | | | .1 | .0 | .1 | .3 | .4 | | .2 | .2 | 46 | 41 | |
| 90/ 89 | | | | | | | | | | .1 | .2 | .3 | .5 | .4 | .4 | | .4 | .4 | 79 | 80 | |
| 88/ 87 | | | | | | | | | | .1 | .3 | .8 | .7 | 1.0 | .8 | | .4 | .2 | 130 | 131 | |
| 86/ 85 | | | | | | | .0 | | | .4 | .8 | 1.0 | 1.2 | 1.1 | .8 | | .5 | .0 | 174 | 175 | |
| 84/ 83 | | | | | | | .0 | .1 | .3 | .7 | 1.2 | 1.2 | 1.5 | .9 | .9 | | .1 | .0 | 212 | 213 | |
| 82/ 81 | | | | | | .1 | .1 | .1 | .6 | 1.0 | 1.2 | 1.3 | 1.7 | 1.3 | .3 | | .0 | | 231 | 231 | |
| 80/ 79 | | | | | .1 | .1 | .2 | .7 | .8 | 1.2 | 1.6 | 1.7 | 1.4 | .7 | .1 | | | | 260 | 261 | |
| 78/ 77 | | | | .0 | .2 | .1 | .5 | .7 | 1.1 | 1.5 | 2.0 | 1.6 | 1.0 | .1 | | | | | 265 | 265 | |
| 76/ 75 | | | | .0 | .2 | .2 | .6 | .9 | 1.1 | 1.7 | 1.7 | 1.1 | .6 | .0 | | | | | 243 | 243 | |
| 74/ 73 | | .1 | | .1 | .3 | .5 | .9 | 1.0 | 1.4 | 1.3 | 1.6 | .9 | .2 | | | | | | 246 | 246 | 2 |
| 72/ 71 | | | .0 | .4 | .2 | .5 | 1.1 | .8 | 1.2 | 1.6 | 1.2 | .5 | .1 | | | | | | 230 | 230 | 23 |
| 70/ 69 | | .1 | .3 | .3 | .3 | .6 | .6 | 1.2 | 1.2 | 1.1 | 1.0 | .2 | .1 | | | | | | 209 | 209 | 34 |
| 68/ 67 | | .1 | .2 | .2 | .4 | .6 | .8 | .9 | .8 | 1.0 | .3 | .2 | .0 | | | | | | 165 | 165 | 82 |
| 66/ 65 | | .0 | .2 | .3 | .4 | .4 | .6 | .7 | .5 | .7 | .1 | .1 | .0 | .0 | | | | | 126 | 126 | 216 |
| 64/ 63 | | .1 | .2 | .2 | .2 | .3 | .4 | .4 | .5 | .3 | .1 | .0 | | | | | | | 84 | 84 | 279 |
| 62/ 61 | | .3 | .2 | .3 | .2 | .3 | .5 | .5 | .2 | .2 | .0 | | | | | | | | 80 | 80 | 350 |
| 60/ 59 | | .2 | .2 | .3 | .4 | .3 | .2 | .2 | .2 | .1 | | | | | | | | | 58 | 58 | 408 |
| 58/ 57 | | .1 | .2 | .2 | .1 | .2 | .2 | .2 | .1 | .0 | | | | | | | | | 42 | 42 | 436 |
| 56/ 55 | | .0 | .2 | .3 | .0 | .1 | | .1 | .0 | | | | | | | | | | 21 | 21 | 370 |
| 54/ 53 | | | .2 | .0 | .2 | | .1 | .1 | | | | | | | | | | | 16 | 16 | 284 |
| 52/ 51 | | .1 | .2 | .2 | .0 | .0 | | | | | | | | | | | | | 16 | 16 | 196 |
| 50/ 49 | | .0 | .1 | .0 | .1 | .0 | .0 | | | | | | | | | | | | 8 | 8 | 132 |
| 48/ 47 | | .0 | | .1 | .1 | | | | | | | | | | | | | | 6 | 6 | 77 |
| 46/ 45 | | | | | .0 | | | | | | | | | | | | | | 1 | 1 | 49 |
| 44/ 43 | | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 24 |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | | 13 |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | | 8 |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | 1 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64

REUSED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
H11 A-4
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|-------|-------|-------|----------------|-------|-------|----------|-------|-------|------------------------------------|--------|----------|--------------------|----------|-----------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | | Wet Bulb | Dew Point | | |
| 104/103 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | |
| 102/101 | | | | | | | | | | | | | | | | | | .1 | 4 | 4 | | | |
| 100/ 99 | | | | | | | | | | | | | | | .0 | .0 | .2 | .9 | 33 | 33 | | | |
| 98/ 97 | | | | | | | | | | | | | .1 | .2 | .1 | .3 | 1.4 | 63 | 63 | | | | |
| 96/ 95 | | | | | | | | | | | | .0 | .0 | .3 | .7 | .8 | 2.1 | 120 | 122 | | | | |
| 94/ 93 | | | | | | | | | | | | .1 | .4 | .7 | .8 | 1.3 | 2.7 | 180 | 182 | | | | |
| 92/ 91 | | | | | | | | | | | .1 | .4 | .7 | 1.5 | 2.1 | 2.2 | 1.6 | 255 | 257 | | | | |
| 90/ 89 | | | | | | | | | | .1 | .3 | .7 | 1.2 | 1.9 | 1.8 | 1.9 | 1.1 | 270 | 270 | | | | |
| 88/ 87 | | | | | | | | .0 | .1 | .1 | .6 | 1.4 | 1.7 | 2.3 | 2.1 | 2.0 | .3 | 315 | 315 | | | | |
| 86/ 85 | | | | | | | .0 | .1 | .1 | .5 | .8 | 1.3 | 2.1 | 2.1 | 1.7 | .8 | .1 | 290 | 290 | | | | |
| 84/ 83 | | | | | | | .1 | .1 | .3 | .5 | 1.0 | 1.4 | 2.0 | 1.9 | 1.1 | .1 | .0 | 258 | 258 | | | | |
| 82/ 81 | | | | | | .1 | | .1 | .3 | 1.0 | 1.2 | 1.8 | 1.6 | .9 | .3 | .1 | | 225 | 225 | | | | |
| 80/ 79 | | | | | .1 | .1 | .1 | .3 | .5 | 1.0 | 1.8 | 1.3 | 1.0 | .5 | .1 | | | 204 | 204 | | | | |
| 78/ 77 | | | | .0 | .0 | .1 | .2 | .6 | .6 | .6 | .9 | .9 | .8 | .3 | | | | 154 | 154 | | | | |
| 76/ 75 | | | | | .2 | .2 | .2 | .4 | .7 | 1.1 | .7 | .6 | .4 | .3 | | | | 157 | 157 | | | | |
| 74/ 73 | | | | .2 | .2 | .2 | .3 | .5 | .3 | .7 | .4 | .6 | .5 | .1 | | | | 122 | 122 | 10 | | | |
| 72/ 71 | | | .1 | .0 | .2 | .2 | .3 | .4 | .3 | .5 | .3 | .5 | .2 | | | | | 87 | 87 | 30 | | | |
| 70/ 69 | | .0 | .1 | .1 | .1 | .1 | .5 | .1 | .4 | .5 | .2 | .2 | .1 | | | | | 71 | 71 | 94 | | | |
| 68/ 67 | | | .0 | .1 | .2 | .3 | .1 | .1 | .2 | .4 | .1 | .1 | | | | | | 49 | 49 | 179 | | | |
| 66/ 65 | | .1 | .1 | .2 | .2 | .1 | .1 | .1 | .2 | .1 | .0 | | | | | | | 37 | 37 | 318 | | | |
| 64/ 63 | | .1 | .0 | | .1 | .2 | .3 | .2 | .1 | .0 | .1 | | | | | | | 33 | 33 | 444 | | | |
| 62/ 61 | | .0 | .0 | .2 | | .1 | .2 | .1 | .0 | | | | | | | | | 21 | 21 | 514 | | | |
| 60/ 59 | | .1 | | .1 | .2 | .1 | .1 | .0 | | | | | | | | | | 17 | 17 | 493 | | | |
| 58/ 57 | | .0 | | .0 | | | .1 | .0 | .1 | .1 | | | | | | | | 9 | 9 | 374 | | | |
| 56/ 55 | | .1 | | .1 | .0 | .0 | | | .0 | | | | | | | | | 7 | 7 | 210 | | | |
| 54/ 53 | | | .0 | .0 | | | | | .1 | | | | | | | | | 4 | 4 | 115 | | | |
| 52/ 51 | | | .1 | .1 | | .0 | .1 | | | | | | | | | | | 7 | 7 | 92 | | | |
| 50/ 49 | | .1 | .1 | | | | | | | | | | | | | | | 4 | 4 | 70 | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 33 | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | 9 | 205 | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | 4 | 259 | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | 5 | 212 | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | 3 | 218 | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 172 | | | |
| Element (X) | Σ X ² | | | Σ X | | | X̄ | | | s _x | | | No. Obs. | | | Mean No. of Hours with Temperature | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | |

0-26-5 (JLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

PAGE 2 1200-1400
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

YEARS

1500-1700

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|--------|----------|----------|-----------|--------------------|-------|-------|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 104/ 103 | | | | | | | | | | | | | | | | | | .0 | 1 | 1 | | | | |
| 102/ 101 | | | | | | | | | | | | | | | | | | .2 | 7 | 7 | | | | |
| 100/ 99 | | | | | | | | | | | | | | | | | .0 | 1.0 | 37 | 38 | | | | |
| 98/ 97 | | | | | | | | | | | | | | | | | .1 | 1.6 | 65 | 65 | | | | |
| 96/ 95 | | | | | | | | | | | | | | .1 | .2 | 1.0 | 1.3 | 3.1 | 166 | 168 | | | | |
| 94/ 93 | | | | | | | | | | | | | .1 | .4 | .7 | 1.6 | 2.2 | 3.3 | 242 | 245 | | | | |
| 92/ 91 | | | | | | | | | | | .1 | .2 | 1.0 | 1.8 | 2.1 | 2.3 | 2.3 | 286 | 286 | | | | | |
| 90/ 89 | | | | | | | | | .1 | .0 | .2 | .7 | 1.1 | 1.8 | 2.2 | 2.0 | 1.7 | 281 | 281 | | | | | |
| 88/ 87 | | | | | | | | .0 | .0 | .2 | .4 | .6 | 1.5 | 2.0 | 2.5 | 1.6 | .2 | 258 | 258 | | | | | |
| 86/ 85 | | | | | | | .1 | .0 | .2 | .4 | 1.4 | 2.1 | 2.4 | 1.9 | .7 | | | 282 | 282 | | | | | |
| 84/ 83 | | | | | | | .2 | .0 | .0 | .4 | 1.2 | 1.3 | 2.0 | 1.5 | .9 | .1 | .0 | 219 | 219 | | | | | |
| 82/ 81 | | | | | | .1 | .1 | .2 | .4 | 1.0 | 1.3 | 1.7 | 1.3 | .9 | .4 | .0 | .0 | 215 | 215 | | | | | |
| 80/ 79 | | | | | .0 | .1 | .1 | .2 | .3 | .8 | 1.6 | 1.4 | 1.2 | .4 | .2 | | | 185 | 185 | | | | | |
| 78/ 77 | | | | | .1 | .2 | .4 | .7 | .9 | .7 | .8 | .7 | .6 | .1 | | | | 149 | 149 | | | | | |
| 76/ 75 | | | .0 | .0 | .0 | .1 | .2 | .5 | .6 | .6 | .4 | .5 | .4 | .4 | | | | 109 | 109 | 1 | | | | |
| 74/ 73 | | | .1 | .2 | .1 | .3 | .2 | .3 | .4 | .7 | .6 | .4 | .4 | .1 | | | | 112 | 112 | 9 | | | | |
| 72/ 71 | | .0 | .0 | .0 | .0 | .1 | .3 | .3 | .1 | .3 | .4 | .1 | .1 | .1 | | | | 62 | 62 | 23 | | | | |
| 70/ 69 | | .0 | | | .2 | .2 | .2 | .3 | .2 | .3 | .3 | .1 | | | | | | 53 | 53 | 84 | | | | |
| 68/ 67 | | .0 | .1 | .1 | .1 | .2 | .2 | .3 | .2 | .2 | .2 | | | | | | | 47 | 47 | 178 | | | | |
| 66/ 65 | | | .2 | .2 | .0 | .1 | .1 | .1 | .3 | .0 | .1 | | | | | | | 33 | 33 | 309 | | | | |
| 64/ 63 | | .1 | .1 | .0 | .1 | .0 | .2 | .2 | .0 | .0 | | | | | | | | 22 | 22 | 452 | | | | |
| 62/ 61 | | .1 | .0 | | .0 | .1 | .1 | .3 | .0 | .1 | | | | | | | | 21 | 21 | 534 | | | | |
| 60/ 59 | | .1 | .2 | .1 | .1 | .1 | .1 | .0 | | .0 | | | | | | | | 20 | 20 | 504 | | | | |
| 58/ 57 | | .1 | .0 | .0 | .1 | .1 | | | .1 | | | | | | | | | 12 | 12 | 328 | | | | |
| 56/ 55 | | .0 | .0 | .0 | | | | | | | | | | | | | | 3 | 3 | 187 | | | | |
| 54/ 53 | | | .0 | | | | .0 | | .1 | | | | | | | | | 5 | 5 | 98 | | | | |
| 52/ 51 | | | .0 | .1 | .0 | .0 | | | | | | | | | | | | 6 | 6 | 96 | | | | |
| 50/ 49 | | .0 | .1 | | | | | | | | | | | | | | | 3 | 3 | 46 | | | | |
| 48/ 47 | | | | | | | | | | | | | | | | | | | | 32 | | | | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | | 9 | | | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | | 5 | | | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 1 | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26.5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

1500-1700
HOURS (L. S. T.)

USAFETAC FORM 0-26.5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

YEARS

OCT

MONTH

PAGE 1

1800-2000

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | |
| 96/ 95 | | | | | | | | | | | | | | | | | .2 | 4 | 4 | | | |
| 94/ 93 | | | | | | | | | | | | | | | .0 | .0 | .2 | 6 | 6 | | | |
| 92/ 91 | | | | | | | | | | | | | .0 | .3 | .2 | .4 | .2 | 29 | 30 | | | |
| 90/ 89 | | | | | | | | | | | .1 | .2 | .8 | .4 | .3 | .3 | .2 | 61 | 62 | | | |
| 88/ 87 | | | | | | | | | | .2 | .2 | .6 | 1.0 | .9 | .7 | .3 | .1 | 107 | 110 | | | |
| 86/ 85 | | | | | | | | | .2 | .3 | .7 | 1.5 | 1.2 | .6 | .9 | .2 | .0 | 146 | 149 | | | |
| 84/ 83 | | | | | | .0 | .0 | .1 | .2 | 1.0 | 1.3 | 1.6 | 1.2 | 1.0 | .7 | .1 | | 195 | 195 | | | |
| 82/ 81 | | | | | | .0 | .1 | .3 | .6 | 1.1 | 1.7 | 2.2 | 1.4 | .6 | .2 | .0 | | 220 | 221 | | | |
| 80/ 79 | | | | | .2 | .2 | .2 | .5 | .8 | 1.9 | 2.7 | 1.9 | .8 | .5 | .1 | | | 253 | 253 | | | |
| 78/ 77 | | | | .0 | .0 | .3 | .3 | .5 | 1.1 | 1.7 | 2.5 | 1.2 | .7 | .4 | .1 | | | 234 | 234 | | | |
| 76/ 75 | | .0 | .0 | .1 | .2 | .1 | .4 | .9 | 1.8 | 2.4 | 2.4 | 1.2 | .5 | .0 | | | | 266 | 266 | 1 | 1 | |
| 74/ 73 | | | .2 | .2 | .2 | .5 | 1.0 | 1.7 | 2.0 | 1.7 | .8 | .3 | .0 | .0 | | | | 232 | 232 | 2 | | |
| 72/ 71 | | | .0 | .1 | .2 | .5 | .8 | 1.0 | 1.6 | 1.7 | .7 | .2 | .0 | .0 | | | | 179 | 179 | 12 | 1 | |
| 70/ 69 | | .1 | .2 | .2 | .5 | .8 | .9 | 1.6 | 1.4 | .8 | .1 | .2 | | | | | | 204 | 204 | 30 | 4 | |
| 68/ 67 | | .1 | .2 | .3 | .5 | .8 | .8 | .7 | .8 | .7 | .3 | .1 | | | | | | 141 | 141 | 71 | 7 | |
| 66/ 65 | | | .2 | .2 | .3 | .2 | .5 | .7 | 1.0 | .3 | .0 | .0 | | | | | | 92 | 92 | 170 | 18 | |
| 64/ 63 | | | .3 | .3 | .6 | .5 | .4 | .5 | .2 | .2 | .1 | | | | | | | 79 | 79 | 232 | 26 | |
| 62/ 61 | | .1 | .2 | .2 | .2 | .3 | .6 | .6 | .2 | .1 | | | | | | | | 66 | 66 | 346 | 38 | |
| 60/ 59 | | .3 | .1 | .1 | .3 | .4 | .4 | .2 | .2 | .1 | | | | | | | | 51 | 51 | 416 | 49 | |
| 58/ 57 | | .1 | .2 | .0 | .2 | .2 | .2 | .1 | | .0 | | | | | | | | 27 | 27 | 414 | 86 | |
| 56/ 55 | | .1 | .1 | .3 | .2 | .1 | | .1 | | | | | | | | | | 21 | 21 | 317 | 101 | |
| 54/ 53 | | .1 | .0 | .0 | .2 | .1 | .0 | | | | | | | | | | | 12 | 12 | 245 | 147 | |
| 52/ 51 | | | .1 | .0 | | .1 | | | | | | | | | | | | 5 | 5 | 156 | 187 | |
| 50/ 49 | | .0 | .1 | .2 | | | .0 | | | | | | | | | | | 9 | 9 | 117 | 197 | |
| 48/ 47 | | | | | .0 | | .0 | | | | | | | | | | | 2 | 2 | 54 | 219 | |
| 46/ 45 | | | | | | | | | | | | | | | | | | | 30 | 239 | | |
| 44/ 43 | | | | | | | | | | | | | | | | | | | 17 | 203 | | |
| 42/ 41 | | | | | | | | | | | | | | | | | | | 3 | 224 | | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | 6 | 178 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 189 | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | 2 | 148 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 106 | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 90 | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 56 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | Total | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

1800-2000
HOURS (L. S. T.)

JSAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

QCY

HOURS (L. S. J.)

[illegible]

PSYCHROMETRIC SUMMARY

42-74

OCT

PAGE 2 2100-2300
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-60,63-64,71,73

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 74/ 73 | | | | | | | | | .1 | | .1 | | | | | | | 2 | 2 | | | | | |
| 72/ 71 | | | | | | | | .1 | | | | | | | | | | 1 | 1 | | | | | |
| 70/ 69 | | | | | | | .1 | | .1 | | | | | | | | | 2 | 2 | | | | | |
| 68/ 67 | | | | | | .1 | | .1 | .1 | | | | | | | | | 5 | 6 | | | | | |
| 66/ 65 | | | .1 | .1 | .1 | .1 | .2 | .1 | .1 | | | | | | | | | 13 | 15 | | | | | |
| 64/ 63 | | | .2 | | .2 | .4 | .2 | .4 | .3 | .2 | | | | | | | | 34 | 34 | | | | | |
| 62/ 61 | | .1 | .4 | .3 | .9 | .5 | .6 | 1.4 | .5 | .1 | .1 | | | | | | | 89 | 89 | 5 | | | | |
| 60/ 59 | | .1 | .2 | .5 | .9 | 1.0 | 1.4 | 1.3 | 1.0 | .3 | | .1 | | | | | | 125 | 125 | 5 | 4 | | | |
| 58/ 57 | | .3 | .7 | .5 | 1.1 | 1.9 | 1.6 | 1.6 | .6 | .1 | | | | | | | | 160 | 160 | 15 | 6 | | | |
| 56/ 55 | .1 | .4 | 1.0 | 1.4 | 1.4 | 2.7 | 1.9 | 1.0 | .4 | | | | | | | | | 191 | 191 | 36 | 9 | | | |
| 54/ 53 | .3 | .6 | .7 | 1.1 | 2.4 | 2.5 | 1.3 | 1.1 | .2 | .1 | | | | | | | | 194 | 194 | 66 | 16 | | | |
| 52/ 51 | .1 | 1.0 | 1.5 | 1.5 | 2.0 | 2.2 | 1.1 | .3 | .2 | | | | | | | | | 183 | 183 | 78 | 33 | | | |
| 50/ 49 | .2 | .9 | 1.9 | 2.1 | 2.5 | 2.3 | .9 | 1.0 | .1 | | | | | | | | | 224 | 224 | 130 | 53 | | | |
| 48/ 47 | .3 | .5 | 2.0 | 1.4 | 1.8 | 1.6 | 1.2 | .4 | | | | | | | | | | 173 | 173 | 217 | 59 | | | |
| 46/ 45 | .3 | 1.4 | 1.1 | 1.7 | 1.2 | 1.9 | .7 | .2 | | | | | | | | | | 159 | 159 | 265 | 30 | | | |
| 44/ 43 | .3 | 1.4 | 1.4 | 1.2 | 1.2 | 1.1 | .3 | | | | | | | | | | | 129 | 129 | 265 | 92 | | | |
| 42/ 41 | | .6 | 1.3 | .4 | .7 | .7 | .1 | | | | | | | | | | | 71 | 71 | 216 | 138 | | | |
| 40/ 39 | .1 | 1.0 | .8 | .5 | .6 | .4 | | | | | | | | | | | | 62 | 62 | 179 | 120 | | | |
| 38/ 37 | .1 | 1.1 | .3 | .3 | .4 | .2 | | | | | | | | | | | | 41 | 45 | 149 | 132 | | | |
| 36/ 35 | | .4 | .2 | .3 | .3 | | | | | | | | | | | | | 22 | 22 | 135 | 184 | | | |
| 34/ 33 | | .1 | | | .1 | | | | | | | | | | | | | 2 | 2 | 66 | 147 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 36 | 159 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 14 | 117 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 8 | 82 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 1 | 79 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 57 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 62 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 40 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 57 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 44 | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 21 | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 20 | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 11 | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 13 | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

REVISOR PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FORM 0-26-5 (OLA) JUL 64

USAFETAC

PSYCHROMETRIC SUMMARY

NOV

MONTH

0000-0200

HOURS (L. S. T.)

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

23104

42-74

213

STATION

STATION NAME

YEARS

PAGE 1

MONTH

0300-0500

HOURS (L, S, T.)

[illegible]

0-26-5 (QLA)

USAFLETAC

PSYCHROMETRIC SUMMARY

NUV
MONTH

HOURS (L. S. T.)

USAFFTAC FORM JUL 64 0-26.5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

10V

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0600-0800

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 74/ 73 | | | | | | | | | | | | .0 | | | | | | | 1 | 1 | | | | |
| 70/ 69 | | | | | | | | | .0 | | .1 | .0 | | | | | | | 2 | 3 | | | | |
| 68/ 67 | | | | | .0 | | | | .0 | .0 | | | | | | | | | 3 | 3 | | | | |
| 66/ 65 | | | | .1 | .1 | .1 | .0 | .1 | .1 | .0 | | | | | | | | | 14 | 14 | | | | |
| 64/ 63 | | | .1 | .1 | .0 | .1 | .3 | .3 | .2 | .0 | | | | | | | | | 29 | 30 | | | | |
| 62/ 61 | | .1 | .1 | .2 | .3 | .3 | .4 | .5 | .4 | .0 | | | | | | | | | 66 | 66 | 1 | | | |
| 60/ 59 | | .1 | .3 | .3 | .4 | .3 | .6 | .8 | .3 | .0 | | | | | | | | | 79 | 80 | 9 | 2 | | |
| 58/ 57 | | .4 | .4 | .6 | .3 | .9 | .7 | 1.0 | .2 | .1 | | | | | | | | | 128 | 129 | 15 | 6 | | |
| 56/ 55 | .1 | .6 | .4 | .7 | 1.0 | 1.3 | 1.3 | .7 | .1 | .1 | | | | | | | | | 171 | 171 | 32 | 17 | | |
| 54/ 53 | .1 | .6 | .6 | 1.5 | 1.5 | 1.9 | 2.3 | .5 | .1 | .0 | | | | | | | | | 250 | 250 | 62 | 27 | | |
| 52/ 51 | .2 | 1.0 | 1.0 | 1.4 | 2.0 | 2.0 | 2.0 | .4 | .1 | | | | | | | | | | 274 | 274 | 91 | 39 | | |
| 50/ 49 | .1 | 1.0 | 1.4 | 1.7 | 3.1 | 2.1 | 1.1 | .1 | .1 | | | | | | | | | | 290 | 291 | 117 | 50 | | |
| 48/ 47 | | 1.0 | 1.6 | 2.5 | 2.3 | 1.3 | 1.4 | .3 | | | | | | | | | | | 282 | 282 | 189 | 66 | | |
| 46/ 45 | .1 | 1.4 | 2.4 | 2.1 | 2.0 | 1.5 | .8 | .1 | | | | | | | | | | | 282 | 282 | 257 | 83 | | |
| 44/ 43 | .1 | 1.3 | 1.9 | 1.1 | 1.6 | 1.5 | .3 | | | | | | | | | | | | 208 | 208 | 347 | 89 | | |
| 42/ 41 | .1 | 1.3 | 1.9 | 1.0 | 1.6 | 1.0 | .1 | | | | | | | | | | | | 184 | 184 | 384 | 144 | | |
| 40/ 39 | .1 | 1.4 | 1.4 | .9 | 1.3 | .9 | | | | | | | | | | | | | 161 | 161 | 304 | 192 | | |
| 38/ 37 | .1 | 1.5 | 1.2 | .9 | .6 | .3 | | | | | | | | | | | | | 121 | 121 | 261 | 189 | | |
| 36/ 35 | .1 | .9 | .7 | .6 | .3 | | | | | | | | | | | | | | 70 | 70 | 236 | 222 | | |
| 34/ 33 | | 1.1 | .3 | .3 | .2 | | | | | | | | | | | | | | 48 | 48 | 161 | 219 | | |
| 32/ 31 | .1 | .2 | .1 | .2 | .0 | | | | | | | | | | | | | | 15 | 15 | 134 | 231 | | |
| 30/ 29 | | .1 | .0 | .1 | | | | | | | | | | | | | | | 6 | 6 | 51 | 210 | | |
| 28/ 27 | | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 25 | 150 | | |
| 26/ 25 | | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 7 | 175 | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 3 | 122 | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 2 | 89 | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 80 | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 98 | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | | 56 | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | | 44 | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | | 37 | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | | 18 | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | | 15 | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | | 9 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

42-74

NUV

MONTH

PAGE 2

0600-0800

HOURS (L, S, T.)

USAFETAC FORM 0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

1

YEARS

MONTH

0900-1100

HOURS (L, S, T.)

1

1

1

1

PSYCHROMETRIC SUMMARY

NOV
MONTH

YEARS

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1 1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | | |
| 92/ 91 | | | | | | | | | | | | | | | | | .1 | 3 | 3 | | | | | | | |
| 90/ 89 | | | | | | | | | | | | | | .0 | .0 | .2 | .1 | 13 | 13 | | | | | | | |
| 88/ 87 | | | | | | | | | | | | | | .1 | .2 | .4 | .2 | 26 | 26 | | | | | | | |
| 86/ 85 | | | | | | | | | | | .0 | .0 | .3 | .3 | .6 | .6 | .1 | 54 | 54 | | | | | | | |
| 84/ 83 | | | | | | | | | | .0 | .0 | .2 | .6 | .6 | 1.4 | .1 | .0 | 88 | 88 | | | | | | | |
| 82/ 81 | | | | | | | | | | | .1 | .7 | 1.1 | 1.8 | .9 | .1 | .1 | 138 | 138 | | | | | | | |
| 80/ 79 | | | | | | | | | .1 | .1 | .8 | 1.2 | 2.1 | 1.9 | .4 | .0 | | 190 | 190 | | | | | | | |
| 78/ 77 | | | | | | | | | .1 | .5 | .8 | 2.1 | 2.5 | 1.0 | .2 | .1 | | 209 | 209 | | | | | | | |
| 76/ 75 | | | | | | | | .3 | .6 | 1.0 | 2.1 | 2.0 | 1.7 | .6 | .1 | | | 242 | 242 | | | | | | | |
| 74/ 73 | | | | | | .0 | .1 | .3 | .8 | 2.1 | 2.2 | 2.2 | 1.3 | .3 | .0 | | | 273 | 274 | | | | | | | |
| 72/ 71 | | | | | | .2 | .5 | .8 | 1.1 | 1.7 | 1.8 | 1.9 | .6 | .1 | | | | 250 | 252 | | | | | | | |
| 70/ 69 | | | | | .1 | .3 | .5 | .8 | 1.9 | 1.8 | 2.1 | 1.5 | .2 | | | | | 262 | 262 | | | | | | | |
| 68/ 67 | | | | | .1 | .2 | .9 | 1.5 | 1.4 | 1.8 | 1.1 | .5 | | | | | | 218 | 218 | | | | | | | |
| 66/ 65 | | | .0 | .2 | .1 | .6 | 1.2 | 1.1 | 1.2 | 1.3 | 1.0 | .5 | | | | | | 204 | 204 | 2 | | | | | | |
| 64/ 63 | | | .0 | .3 | .5 | .6 | .9 | 1.4 | 1.6 | .6 | .6 | .1 | | | | | | 190 | 190 | 14 | | | | | | |
| 62/ 61 | | .0 | .1 | .2 | .5 | .6 | .9 | 1.0 | .8 | .3 | .3 | .0 | | | | | | 139 | 139 | 63 | | | | | | |
| 60/ 59 | | .1 | .1 | .3 | .5 | .7 | .6 | 1.1 | .7 | .3 | .1 | | | | | | | 130 | 130 | 191 | | | | | | |
| 58/ 57 | | .1 | .1 | .3 | .5 | .3 | .8 | .7 | .1 | .1 | | | | | | | | 86 | 86 | 295 | 10 | | | | | |
| 56/ 55 | | .1 | .2 | .3 | .3 | .5 | .4 | .5 | .1 | | | | | | | | | 68 | 68 | 530 | 24 | | | | | |
| 54/ 53 | .1 | .1 | .1 | .2 | .2 | .2 | .1 | .1 | .1 | | | | | | | | | 38 | 38 | 488 | 48 | | | | | |
| 52/ 51 | .0 | .2 | .2 | .2 | .2 | .1 | .1 | | .0 | | | | | | | | | 30 | 30 | 372 | 47 | | | | | |
| 50/ 49 | | .1 | .1 | .0 | .2 | .0 | | .0 | | | | | | | | | | 12 | 12 | 373 | 82 | | | | | |
| 48/ 47 | | .0 | .1 | | | | | | | | | | | | | | | 3 | 3 | 241 | 103 | | | | | |
| 46/ 45 | | .1 | .0 | | | | | | | | | | | | | | | 3 | 3 | 143 | 142 | | | | | |
| 44/ 43 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 106 | 174 | | | | | |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | 4 | 4 | 39 | 196 | | | | | |
| 40/ 39 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 11 | 220 | | | | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 7 | 193 | | | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 229 | | | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 239 | | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 219 | | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 209 | | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 154 | | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 163 | | | | | |
| Element (X) | Σ X' | | Σ X | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | Total | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

1200-1400
HOURS (L. S. T.)

[illegible]

USAFETAC
FORM
PUL 44
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

NNV
MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.R./W.B. | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|--------------------|----------|----------|-----------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point | |
| 92/ 91 | | | | | | | | | | | | | | | .0 | .0 | .0 | 3 | 3 | | | |
| 90/ 89 | | | | | | | | | | | | | | .1 | .1 | .1 | .1 | 12 | 12 | | | |
| 88/ 87 | | | | | | | | | | | | | .0 | .1 | .2 | .5 | | 26 | 26 | | | |
| 86/ 85 | | | | | | | | | | | | | .2 | .5 | .7 | .6 | .1 | 58 | 58 | | | |
| 84/ 83 | | | | | | | | | | | .1 | .2 | 1.0 | 1.1 | 1.3 | .5 | | 120 | 120 | | | |
| 82/ 81 | | | | | | | | | | .3 | .3 | 1.7 | 1.8 | 1.2 | .0 | .1 | | 149 | 149 | | | |
| 80/ 79 | | | | | | | | .2 | .1 | .8 | 1.2 | 2.2 | 2.2 | .6 | .1 | | | 210 | 210 | | | |
| 78/ 77 | | | | | | | .1 | .3 | .5 | 1.4 | 2.8 | 1.7 | 1.0 | .1 | .0 | | | 223 | 224 | | | |
| 76/ 75 | | | | | | | .2 | .8 | 1.1 | 2.4 | 2.2 | 1.6 | .5 | .1 | | | | 247 | 247 | | | |
| 74/ 73 | | | | | | | .1 | .3 | .9 | 1.9 | 2.2 | 2.0 | 1.2 | .2 | .1 | | | 245 | 246 | | | |
| 72/ 71 | | | | | | .2 | .4 | .8 | 1.8 | 2.2 | 2.2 | 1.8 | .9 | .1 | | | | 284 | 285 | | | |
| 70/ 69 | | | | | | .2 | .5 | .8 | 1.7 | 1.5 | 1.8 | 1.0 | .3 | | | | | 217 | 217 | | | |
| 68/ 67 | | | | | .3 | .2 | .9 | 1.3 | 1.2 | 1.9 | .8 | .4 | .1 | | | | | 199 | 199 | | | |
| 66/ 65 | | | .1 | .1 | .1 | .4 | .8 | 1.5 | 1.7 | 1.3 | .5 | .6 | | | | | | 199 | 199 | 1 | | |
| 64/ 63 | | | .2 | .1 | .2 | .5 | .4 | 1.4 | .7 | .9 | .4 | .1 | | | | | | 138 | 138 | 21 | | |
| 62/ 61 | | | .1 | .1 | .4 | .5 | .6 | 1.1 | .8 | .6 | .3 | | | | | | | 125 | 125 | 66 | 1 | |
| 60/ 59 | | .1 | .0 | .3 | .2 | .6 | .7 | 1.3 | .5 | .4 | | | | | | | | 114 | 114 | 197 | 2 | |
| 58/ 57 | | .0 | .2 | .2 | .2 | .6 | .6 | .6 | .6 | .3 | .2 | | | | | | | 82 | 82 | 330 | 11 | |
| 56/ 55 | | .2 | .3 | .0 | .2 | .4 | .3 | .2 | .0 | | | | | | | | | 45 | 45 | 550 | 21 | |
| 54/ 53 | .0 | .2 | .1 | .5 | .2 | .1 | .3 | | .1 | | | | | | | | | 41 | 41 | 435 | 31 | |
| 52/ 51 | | .3 | .2 | .0 | .1 | .1 | | .0 | | | | | | | | | | 20 | 20 | 363 | 45 | |
| 50/ 49 | | .1 | .1 | | .1 | .1 | | .0 | | | | | | | | | | 12 | 12 | 344 | 82 | |
| 48/ 47 | | .0 | .1 | | .0 | .0 | | | | | | | | | | | | 6 | 6 | 197 | 82 | |
| 46/ 45 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 151 | 135 | |
| 44/ 43 | | .1 | .1 | | | | | | | | | | | | | | | 6 | 6 | 77 | 157 | |
| 42/ 41 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 37 | 210 | |
| 40/ 39 | | | | | | | | | | | | | | | | | | | | 10 | 231 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 4 | 257 | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 1 | 248 | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | 178 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | 199 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 203 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 156 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 141 | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

NÜV
MONTH

1500-1700
HOURS (L. S. T.)

[illegible]

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

NOV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL D.B./W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-------|------|----------|----------|-----------|--------------------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 84/ 83 | | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | | | |
| 82/ 81 | | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | | | |
| 80/ 79 | | | | | | | | | | | | .0 | .1 | .2 | | | | | 7 | 7 | | | | |
| 78/ 77 | | | | | | | | | | .2 | .2 | .4 | .2 | .0 | | | | | 27 | 27 | | | | |
| 76/ 75 | | | | | | | | .0 | .1 | .4 | .4 | .6 | .2 | | | | | | 42 | 42 | | | | |
| 74/ 73 | | | | | | | .0 | .1 | .2 | .4 | .6 | .9 | .1 | .0 | | | | | 75 | 75 | | | | |
| 72/ 71 | | | | | .0 | .0 | .2 | .4 | .9 | 1.2 | .8 | .6 | | | | | | | 101 | 101 | | | | |
| 70/ 69 | | | | | .2 | .1 | .6 | 1.2 | 1.8 | 1.4 | 1.1 | .3 | .0 | | | | | | 170 | 170 | | | | |
| 68/ 67 | | | | .1 | .2 | .6 | .8 | 2.1 | 2.4 | 1.5 | .8 | .2 | | | | | | | 218 | 218 | | | | |
| 66/ 65 | | | .1 | .2 | .4 | .6 | 1.7 | 2.3 | 2.5 | 1.5 | .7 | .0 | | | | | | | 249 | 249 | | | | |
| 64/ 63 | | .0 | .3 | .2 | .4 | 1.4 | 1.9 | 2.6 | 1.3 | .9 | .4 | | | | | | | | 235 | 235 | 3 | | | |
| 62/ 61 | | | .4 | .3 | .9 | 1.5 | 2.4 | 2.3 | 1.7 | .6 | .2 | | | | | | | | 257 | 257 | 24 | | | |
| 60/ 59 | | .0 | .4 | .4 | 1.4 | 1.9 | 2.1 | 1.7 | 1.3 | .5 | | | | | | | | | 247 | 247 | 36 | 10 | | |
| 58/ 57 | | | .5 | .6 | .9 | 2.1 | 1.5 | 1.8 | .9 | .3 | .0 | | | | | | | | 216 | 216 | 106 | 10 | | |
| 56/ 55 | | .2 | .5 | .9 | 1.2 | 1.4 | 1.9 | 1.5 | .6 | | | | | | | | | | 208 | 208 | 175 | 26 | | |
| 54/ 53 | .1 | .4 | .5 | .8 | 1.4 | 1.1 | .9 | .9 | .3 | | | | | | | | | | 159 | 159 | 332 | 23 | | |
| 52/ 51 | | .4 | .6 | .7 | .8 | .7 | .9 | .6 | .1 | | | | | | | | | | 121 | 121 | 370 | 52 | | |
| 50/ 49 | .0 | .5 | .4 | .5 | .7 | .7 | .4 | .2 | | | | | | | | | | | 86 | 85 | 365 | 83 | | |
| 48/ 47 | | .4 | .2 | .7 | .2 | .4 | .2 | | | | | | | | | | | | 52 | 52 | 354 | 104 | | |
| 46/ 45 | | .0 | .2 | .2 | .2 | .2 | .1 | | | | | | | | | | | | 23 | 23 | 260 | 167 | | |
| 44/ 43 | | .2 | .1 | .1 | | | .1 | | | | | | | | | | | | 13 | 13 | 193 | 170 | | |
| 42/ 41 | | .1 | | | | .0 | | | | | | | | | | | | | 3 | 3 | 157 | 188 | | |
| 40/ 39 | | .2 | | | | | | | | | | | | | | | | | 4 | 4 | 89 | 228 | | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | 37 | 240 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | 8 | 211 | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 4 | 161 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 2 | 160 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | 131 | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | 114 | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | 102 | | |
| 24/ 23 | .0 | | | | | | | | | | | | | | | | | | 1 | 1 | 1 | 95 | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | 75 | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | 40 | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | 48 | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | σ_x | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | | | |
| Rel. Hum. | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

100
MONTH

1800-2000

HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) JUL 64

2

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

NDV

STATION

STATION NAME

YEARS

MONTH

PAGE 1

2100-2300

HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 78/ 77 | | | | | | | | | | | .1 | | | | | | | 3 | 3 | | |
| 74/ 73 | | | | | | | .0 | | | | .1 | | | | | | | 3 | 3 | | |
| 72/ 71 | | | | | | .0 | .0 | .0 | | .1 | .0 | .0 | | | | | | 7 | 7 | | |
| 70/ 69 | | | | | .0 | .0 | | | .2 | .2 | .1 | .0 | | | | | | 13 | 14 | | |
| 68/ 67 | | | .0 | .0 | .0 | .2 | .1 | .1 | .3 | .1 | .1 | | | | | | | 26 | 27 | | |
| 66/ 65 | | | | .2 | .3 | .5 | .7 | .9 | .9 | .4 | .1 | .0 | | | | | | 85 | 85 | | |
| 64/ 63 | | | .1 | .1 | .7 | .5 | 1.3 | 1.6 | .8 | .4 | .3 | | | | | | | 124 | 125 | 1 | |
| 62/ 61 | | | .3 | .5 | .8 | 1.2 | 1.4 | 1.5 | 1.0 | .3 | | .0 | | | | | | 149 | 149 | 7 | |
| 60/ 59 | | .2 | .5 | .6 | 1.1 | 1.7 | 1.7 | 1.4 | 1.3 | .1 | .0 | | | | | | | 184 | 184 | 10 | 3 |
| 58/ 57 | | .3 | .6 | .8 | 1.8 | 2.4 | 2.2 | 1.5 | 1.3 | .3 | .1 | | | | | | | 237 | 237 | 37 | 6 |
| 56/ 55 | | .3 | .7 | .9 | 2.7 | 2.7 | 1.9 | .8 | .7 | .0 | | | | | | | | 230 | 230 | 57 | 15 |
| 54/ 53 | .1 | .8 | .9 | 1.6 | 2.0 | 2.2 | 1.7 | .8 | .3 | | | | | | | | | 216 | 216 | 101 | 34 |
| 52/ 51 | .1 | .8 | 1.3 | 1.7 | 1.5 | 2.1 | 1.8 | .8 | .2 | | | | | | | | | 211 | 211 | 176 | 40 |
| 50/ 49 | .0 | .8 | 1.3 | 1.8 | 1.4 | 2.0 | 1.5 | .6 | .0 | | | | | | | | | 201 | 201 | 234 | 66 |
| 48/ 47 | .2 | .8 | 1.1 | 1.5 | 1.0 | 1.3 | 1.0 | .2 | | | | | | | | | | 161 | 161 | 280 | 77 |
| 46/ 45 | .1 | .5 | 1.2 | 1.0 | 1.1 | 1.1 | .6 | .0 | | | | | | | | | | 118 | 118 | 308 | 104 |
| 44/ 43 | .0 | .3 | .7 | .6 | .6 | .4 | .1 | | | | | | | | | | | 58 | 58 | 242 | 109 |
| 42/ 41 | .0 | .5 | .7 | .2 | .3 | .5 | .0 | | | | | | | | | | | 50 | 50 | 217 | 163 |
| 40/ 39 | .2 | .5 | .2 | .1 | .1 | .1 | | | | | | | | | | | | 27 | 27 | 188 | 179 |
| 38/ 37 | | .1 | .1 | .0 | .1 | .0 | | | | | | | | | | | | 10 | 10 | 131 | 172 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 72 | 180 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 31 | 137 |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 13 | 152 |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 8 | 118 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 99 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 94 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 68 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 68 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 49 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 52 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 36 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 27 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 20 |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 13 |
| Element (X) | $\Sigma x'$ | | Σx | | \bar{x} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Ref. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

NUV
MONTH

2100-2300
HOURS (L. S. T.)

[illegible]0-26-5 (QLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM 0-26-5 (OLA)

PSYCHROMETRIC SUMMARY

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0000-0200

HOURS (L, S, T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | TOTAL | | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|-------|--------|-------|--------|-------|--------|-----------|----------|----------|-----------|-------|-------|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 66/ 65 | | | | | | | .1 | .1 | | .1 | | | | | | | | 5 | 5 | | | | | |
| 64/ 63 | | | | | .1 | | | | | | | | | | | | | 2 | 2 | | | | | |
| 62/ 61 | | | .1 | .1 | .1 | .1 | .1 | | | | | | | | | | | 8 | 8 | | | | | |
| 60/ 59 | | | .1 | .3 | .4 | | .2 | | | | | | | | | | | 16 | 16 | | | | | |
| 58/ 57 | | .1 | .2 | .4 | .5 | .5 | .1 | .2 | .3 | | | | | | | | | 40 | 40 | 3 | | | | |
| 56/ 55 | | .4 | .4 | .5 | .4 | .3 | .5 | .3 | .2 | | | | | | | | | 64 | 64 | 8 | 2 | | | |
| 54/ 53 | | .8 | .9 | .5 | 1.0 | .9 | .5 | .4 | .2 | | | | | | | | | 101 | 101 | 16 | 7 | | | |
| 52/ 51 | .3 | 1.4 | .9 | .8 | 1.4 | 1.4 | 1.0 | .2 | .2 | | | | | | | | | 147 | 147 | 53 | 20 | | | |
| 50/ 49 | .2 | 1.1 | .9 | 1.3 | 1.8 | 2.3 | 1.2 | .4 | | | | | | | | | | 179 | 179 | 70 | 32 | | | |
| 48/ 47 | .3 | 1.1 | 1.6 | 1.6 | 2.5 | 2.3 | .7 | .3 | | | | | | | | | | 203 | 203 | 90 | 41 | | | |
| 46/ 45 | .2 | 2.0 | 2.0 | 2.5 | 2.5 | 2.2 | .4 | .1 | | | | | | | | | | 232 | 232 | .00 | 67 | | | |
| 44/ 43 | .1 | 1.9 | 2.0 | 2.8 | 1.9 | 1.2 | .4 | | | | | | | | | | | 220 | 220 | 167 | 71 | | | |
| 42/ 41 | .2 | 2.0 | 2.4 | 2.7 | 1.8 | 1.5 | .1 | | | | | | | | | | | 208 | 208 | 216 | 95 | | | |
| 40/ 39 | .2 | 1.8 | 3.0 | 3.0 | 1.7 | .5 | | | | | | | | | | | | 200 | 200 | 275 | 111 | | | |
| 38/ 37 | .3 | 1.5 | 1.9 | 2.0 | 1.3 | .1 | | | | | | | | | | | | 139 | 139 | 276 | 105 | | | |
| 36/ 35 | | 1.2 | .6 | 1.3 | 1.1 | .1 | | | | | | | | | | | | 85 | 35 | 224 | 149 | | | |
| 34/ 33 | .1 | .9 | 1.0 | .4 | .6 | | | | | | | | | | | | | 56 | 56 | 192 | 125 | | | |
| 32/ 31 | .1 | .7 | .4 | .4 | .1 | | | | | | | | | | | | | 30 | 30 | 118 | 174 | | | |
| 30/ 29 | | .2 | .2 | .2 | | | | | | | | | | | | | | 11 | 11 | 90 | 172 | | | |
| 28/ 27 | | | .2 | .1 | | | | | | | | | | | | | | 5 | 5 | 26 | 107 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 20 | 153 | | | |
| 24/ 23 | | | .1 | | | | | | | | | | | | | | | 1 | 1 | 7 | 111 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | 1 | 103 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 52 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 72 | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 54 | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 35 | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 40 | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 19 | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 18 | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 8 | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | 5 | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | 3 | | | |
| 0/ -1 | | | | | | | | | | | | | | | | | | | | | 1 | | | |
| Element (X) | Σx ² | | Σx | | x̄ | | s _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | | ≤ 32 F | | ≥ 67 F | | ≥ 73 F | | ≥ 80 F | | ≥ 93 F | | Total | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

PAGE 2

0000-0200
HOURS (L. S. T.)

[illegible]0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC

2
F

1

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0300-0500

HOURS (L. S. T.)

,

0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

02M

USAFETAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

YEARS

DEC
MONTH

PAGE 2

0300-0500
HOURS (L. S. T.)

[illegible]

PSYCHROMETRIC SUMMARY

42-74

DEC

YEARS

MONTH

PAGE 1 0600-0800

HOURS (L. S. 1.)

USAFETAC
FORM
JUL 64
0-26-5 (OLA)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

42-74

DEC
MONTH

PAGE 2

0600-0800
HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

0900-1100
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|-----|-----|-----|------|----------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 78/ 77 | | | | | | | | | | | | .0 | | | | | | 1 | 1 | | |
| 76/ 75 | | | | | | | | | .0 | | .0 | .0 | | | | | | 3 | 3 | | |
| 74/ 73 | | | | | | | | | | .1 | .1 | .1 | | | | | | 7 | 7 | | |
| 72/ 71 | | | | | | | .0 | | .1 | .1 | .0 | .1 | | | | | | 10 | 10 | | |
| 70/ 69 | | | | | | .0 | .0 | .1 | .2 | .1 | .3 | .1 | .0 | | | | | 26 | 26 | | |
| 68/ 67 | | | | | | .1 | .1 | .2 | .2 | .5 | .0 | .1 | | | | | | 35 | 35 | | |
| 66/ 65 | | | | | .0 | .1 | .3 | .4 | .6 | .4 | .4 | .0 | | | | | | 70 | 70 | | |
| 64/ 63 | | | | .1 | .1 | .3 | .6 | 1.0 | 1.1 | .7 | .2 | | | | | | | 119 | 119 | | |
| 62/ 61 | | | .0 | .1 | .3 | .7 | .8 | 1.4 | 1.1 | .1 | .2 | .0 | | | | | | 141 | 141 | | |
| 60/ 59 | | | .2 | .2 | .5 | .9 | 1.6 | 1.6 | .9 | .5 | .0 | | | | | | | 193 | 193 | 5 | |
| 58/ 57 | | .2 | .2 | .8 | 1.1 | 1.2 | 1.9 | 1.6 | .9 | .3 | | | | | | | | 237 | 237 | 11 | |
| 56/ 55 | .1 | .5 | .4 | .9 | 1.0 | 1.6 | 2.3 | 1.4 | .4 | .1 | | | | | | | | 255 | 255 | 47 | 9 |
| 54/ 53 | .0 | .6 | .9 | 1.2 | 1.7 | 2.1 | 1.5 | 1.2 | .1 | .0 | | | | | | | | 275 | 275 | 85 | 20 |
| 52/ 51 | .1 | .5 | 1.1 | 1.5 | 1.8 | 2.3 | 1.9 | .9 | .1 | | | | | | | | | 300 | 300 | 151 | 34 |
| 50/ 49 | .2 | .5 | 1.0 | 2.0 | 2.1 | 2.3 | 1.4 | .3 | | | | | | | | | | 286 | 286 | 240 | 49 |
| 48/ 47 | | .2 | 1.4 | 1.7 | 2.0 | 1.3 | 1.1 | .1 | | | | | | | | | | 232 | 232 | 305 | 62 |
| 46/ 45 | .0 | .8 | 1.4 | 2.0 | 1.4 | 1.0 | .5 | .2 | | | | | | | | | | 216 | 216 | 362 | 99 |
| 44/ 43 | .0 | .7 | 1.6 | 1.6 | 1.3 | .6 | .2 | | | | | | | | | | | 177 | 177 | 403 | 124 |
| 42/ 41 | .1 | .6 | 1.0 | 1.6 | .8 | .4 | | | | | | | | | | | | 128 | 128 | 365 | 144 |
| 40/ 39 | | .4 | 1.1 | .9 | .5 | .0 | | | | | | | | | | | | 85 | 85 | 358 | 188 |
| 38/ 37 | | .2 | 1.0 | .4 | .2 | .1 | | | | | | | | | | | | 56 | 56 | 234 | 197 |
| 36/ 35 | | .3 | .4 | .3 | | | | | | | | | | | | | | 31 | 31 | 170 | 260 |
| 34/ 33 | | .3 | .3 | .0 | | | | | | | | | | | | | | 17 | 17 | 104 | 223 |
| 32/ 31 | | .1 | .1 | .0 | | | | | | | | | | | | | | 7 | 7 | 60 | 293 |
| 30/ 29 | | .0 | .0 | .1 | | | | | | | | | | | | | | 5 | 5 | 23 | 277 |
| 28/ 27 | | .1 | | | | | | | | | | | | | | | | 2 | 2 | 7 | 179 |
| 26/ 25 | | .0 | | | | | | | | | | | | | | | | 1 | 1 | 5 | 173 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | 1 | 144 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 121 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 74 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 59 |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 70 |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 55 |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 16 |
| Element (X) | Σ X ² | | Σ X | | X̄ | | σ _x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≥ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

DEC
MONTH

PAGE 2 0900-1100
HOURS (L. S. T.)

[illegible]

USAFETAC FORM 0-26.5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/HAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PAGE 1

1200-1400
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|------|-----------|----------|----------|-----------|-------|--|--|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | |
| 84/ 83 | | | | | | | | | | | | | | .0 | | | | 1 | 1 | | | | | |
| 82/ 81 | | | | | | | | | | | | | | .1 | .0 | | | 4 | 4 | | | | | |
| 80/ 79 | | | | | | | | | | .0 | .1 | .0 | .2 | .2 | .1 | | | 17 | 17 | | | | | |
| 78/ 77 | | | | | | | | | | .0 | .3 | .3 | .5 | .0 | .1 | | | 38 | 38 | | | | | |
| 76/ 75 | | | | | | | | | | .0 | .1 | .2 | .8 | .3 | .3 | | | 53 | 53 | | | | | |
| 74/ 73 | | | | | | | | | | .2 | .4 | 1.1 | 1.4 | .8 | .2 | | | 118 | 118 | | | | | |
| 72/ 71 | | | | | | | .0 | .6 | .2 | .3 | .6 | 1.7 | 1.3 | .3 | .0 | | | 132 | 132 | | | | | |
| 70/ 69 | | | | | | | .0 | .1 | .4 | .9 | 1.8 | 1.8 | 1.3 | .2 | .0 | | | 193 | 193 | | | | | |
| 68/ 67 | | | | .1 | .0 | .1 | .3 | .8 | 2.1 | 2.4 | 1.9 | .8 | .1 | | | | | 251 | 251 | | | | | |
| 66/ 65 | | | | .1 | .2 | .5 | 1.1 | 1.4 | 2.5 | 2.1 | 1.4 | .4 | | | | | | 279 | 279 | | | | | |
| 64/ 63 | | | | .2 | .4 | 1.1 | 1.2 | 2.2 | 2.7 | 2.0 | 1.0 | .2 | | | | | | 317 | 317 | | | | | |
| 62/ 61 | | | .1 | .1 | .7 | 1.3 | 1.3 | 2.2 | 2.3 | 1.1 | .4 | .2 | | | | | | 285 | 285 | 4 | | | | |
| 60/ 59 | | .0 | .1 | .8 | .9 | 1.1 | 2.0 | 2.3 | 1.9 | .8 | .1 | | | | | | | 291 | 291 | 14 | 2 | | | |
| 58/ 57 | | .1 | .2 | .8 | 1.2 | 1.2 | 1.8 | 1.8 | 1.0 | .4 | .1 | | | | | | | 254 | 254 | 48 | 1 | | | |
| 56/ 55 | .1 | .3 | .4 | .4 | .8 | 1.2 | 1.7 | 1.3 | .7 | .1 | | | | | | | | 205 | 205 | 143 | 14 | | | |
| 54/ 53 | | .2 | .2 | .2 | .9 | 1.3 | .7 | .7 | .2 | | | | | | | | | 130 | 130 | 318 | 18 | | | |
| 52/ 51 | .1 | .1 | .2 | .4 | .9 | .6 | .8 | .3 | .0 | | | | | | | | | 97 | 97 | 426 | 28 | | | |
| 50/ 49 | .0 | .3 | .2 | .4 | .8 | .4 | .4 | .1 | .1 | | | | | | | | | 84 | 84 | 443 | 61 | | | |
| 48/ 47 | | .1 | .2 | .6 | .7 | .7 | .3 | .0 | | | | | | | | | | 75 | 75 | 466 | 69 | | | |
| 46/ 45 | .0 | .2 | .3 | .4 | .4 | .3 | .2 | | | | | | | | | | | 54 | 54 | 374 | 114 | | | |
| 44/ 43 | .0 | | .3 | .1 | .3 | .0 | | | | | | | | | | | | 23 | 23 | 294 | 132 | | | |
| 42/ 41 | | | .1 | .1 | .2 | | | | | | | | | | | | | 10 | 10 | 173 | 121 | | | |
| 40/ 39 | .0 | .1 | | | .1 | | | | | | | | | | | | | 6 | 6 | 111 | 178 | | | |
| 38/ 37 | | | | .0 | .0 | | | | | | | | | | | | | 2 | 2 | 88 | 197 | | | |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | 22 | 242 | | | |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | 11 | 276 | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 4 | 243 | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | 237 | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | 201 | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 185 | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 141 | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 107 | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 93 | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 75 | | | |
| Element (X) | $\Sigma X'$ | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | Total | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | |

USAFETAC FORM 0-26-5 (OL A) JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PSYCHROMETRIC SUMMARY

ALC
MONTH

1200-1400
HOURS (L. S. Y.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1500-1700
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | | |
|--------------|-------------------------------------|----|----|----|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----------------|----|----|-----|-----|----------|----|----|----|----|------------------------------------|--------|--------|--------|--------|--------|-------|-----------|----------|----------|-----------|
| | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point |
| 84/ 83 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 2 | 2 | | |
| 82/ 81 | | | | | | | | | | | | | | | | | | | | | | | | | .1 | .1 | .1 | .1 | .1 | | | | 8 | 8 | | |
| 80/ 79 | | | | | | | | | | | | | | | | | | | | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | | | | 27 | 27 | | | |
| 78/ 77 | | | | | | | | | | | | | | | | | | .0 | .2 | .3 | .7 | .1 | .1 | .1 | .1 | .1 | .1 | .1 | | | | 42 | 42 | | | |
| 76/ 75 | | | | | | | | | | | | | | | | .0 | .1 | .8 | 1.3 | 1.1 | .4 | .1 | | | | | | .1 | | | | 109 | 109 | | | |
| 74/ 73 | | | | | | | | | | | | | .1 | .1 | .7 | 1.3 | .5 | .9 | .2 | | | | | | | | | | | | | 133 | 133 | | | |
| 72/ 71 | | | | | | | | | | .1 | .1 | .2 | .2 | 1.1 | 1.9 | 1.9 | .6 | .1 | | | | | | | | | | | | | | 175 | 175 | | | |
| 70/ 69 | | | | | | | | | | .1 | .1 | .5 | 1.1 | 2.1 | 1.9 | 1.3 | .5 | | | | | | | | | | | | | | | 216 | 216 | | | |
| 68/ 67 | | | | | | | | .0 | .1 | .5 | 1.3 | 1.8 | 2.5 | 2.1 | .7 | .1 | | | | | | | | | | | | | | | | 255 | 255 | | | |
| 66/ 65 | | | | | | | | .1 | .2 | 1.1 | 1.5 | 2.5 | 2.8 | 1.1 | .6 | .0 | | | | | | | | | | | | | | | | 278 | 278 | | | |
| 64/ 63 | | | | | | .0 | .6 | 1.0 | 1.2 | 2.3 | 2.3 | 1.7 | .9 | .2 | | | | | | | | | | | | | | | | | | 286 | 286 | | | |
| 62/ 61 | | | .0 | .0 | .1 | .7 | .8 | 1.7 | 2.1 | 2.5 | 1.3 | .3 | | | | | | | | | | | | | | | | | | | | 271 | 271 | 6 | | |
| 60/ 59 | | | .1 | .3 | .7 | 1.2 | 1.2 | 1.7 | 1.9 | 1.5 | .6 | .2 | | | | | | | | | | | | | | | | | | | | 260 | 260 | 16 | | |
| 58/ 57 | | | .1 | .3 | .4 | 1.1 | .8 | 1.5 | 1.5 | 1.1 | .2 | .0 | | | | | | | | | | | | | | | | | | | | 195 | 195 | 52 | 3 | |
| 56/ 55 | .0 | .3 | .4 | .5 | .7 | .9 | 1.0 | 1.2 | .4 | .1 | | | | | | | | | | | | | | | | | | | | | | 157 | 157 | 174 | 13 | |
| 54/ 53 | .1 | .3 | .4 | .2 | .8 | 1.0 | .6 | .9 | .1 | | | | | | | | | | | | | | | | | | | | | | | 125 | 125 | 367 | 10 | |
| 52/ 51 | .1 | .1 | .3 | .4 | .5 | .4 | .6 | .2 | .0 | | | | | | | | | | | | | | | | | | | | | | | 72 | 72 | 401 | 48 | |
| 50/ 49 | | .2 | .4 | .4 | .3 | .7 | .7 | .1 | | | | | | | | | | | | | | | | | | | | | | | | 76 | 76 | 513 | 47 | |
| 48/ 47 | | .1 | .2 | .3 | .4 | .5 | .0 | .0 | .1 | | | | | | | | | | | | | | | | | | | | | | | 51 | 51 | 423 | 82 | |
| 46/ 45 | | .2 | .1 | .2 | .1 | .2 | .1 | .2 | .1 | | | | | | | | | | | | | | | | | | | | | | | 31 | 31 | 306 | 101 | |
| 44/ 43 | .0 | .1 | .3 | .2 | .0 | .0 | | | | | | | | | | | | | | | | | | | | | | | | | | 22 | 22 | 241 | 130 | |
| 42/ 41 | | .1 | .1 | .1 | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 9 | 9 | 136 | 118 | |
| 40/ 39 | | .0 | .1 | | .1 | | | | | | | | | | | | | | | | | | | | | | | | | | | 5 | 5 | 98 | 181 | |
| 38/ 37 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 49 | 189 |
| 36/ 35 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 13 | 214 |
| 34/ 33 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 7 | 252 | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 3 | 212 | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 243 |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 193 |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 178 |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 145 |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 113 |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 97 |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | 67 |
| Element (X) | Σ X ² | | | | | Σ X | | | | | X̄ | | | | | σ _x | | | | | No. Obs. | | | | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | | | | | | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 67 F | ≥ 73 F | ≥ 80 F | ≥ 95 ° | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

YEARS

DEC

MONTH

1500-1700

HOURS (L. S. T.)

[illegible]

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104 WILLIAMS AFB ARIZONA/CHANDLER

42-74

DEC

STATION

STATION NAME

YEARS

MONTH

PAGE 1

1800-2000
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | | | | | TOTAL | TOTAL | | |
|--------------|-------------------------------------|-------|------------|-------|-----------|--------|------------|---------|----------|---------|------------------------------------|---------|---------|---------|---------|---------|-------|-----------|----------|----------|-----------|-------|-------|--|--|
| | 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. | Dry Bulb | Wet Bulb | Dew Point | | | | |
| 72/ 71 | | | | | | | | .1 | | .2 | .1 | | | | | | | 9 | 9 | | | | | | |
| 70/ 69 | | | | | | | .0 | .0 | | .3 | .2 | .0 | | | | | | 16 | 16 | | | | | | |
| 68/ 67 | | | | | | .1 | .1 | .2 | .5 | .2 | .3 | .0 | | | | | | 36 | 36 | | | | | | |
| 66/ 65 | | | | .0 | .0 | .1 | .2 | .7 | 1.0 | .4 | .4 | .1 | | | | | | 72 | 72 | | | | | | |
| 64/ 63 | | | | .0 | .2 | .5 | .7 | 1.0 | 1.0 | .5 | .2 | | | | | | | 98 | 98 | | | | | | |
| 62/ 61 | | | .1 | .2 | .4 | 1.1 | 1.3 | 1.4 | 1.5 | .5 | | | | | | | | 155 | 155 | | | | | | |
| 60/ 59 | | .1 | .1 | .4 | .9 | 1.4 | 2.2 | 2.3 | 1.5 | .3 | | | | | | | | 222 | 222 | 2 | | | | | |
| 58/ 57 | | .3 | .5 | .7 | 1.2 | 2.1 | 2.3 | 1.8 | 1.0 | .2 | | | | | | | | 245 | 245 | 15 | 2 | | | | |
| 56/ 55 | .1 | .5 | .7 | 1.4 | 1.7 | 2.6 | 2.7 | 1.4 | .6 | | | | | | | | | 282 | 282 | 32 | 13 | | | | |
| 54/ 53 | .2 | .9 | .7 | 1.7 | 2.0 | 2.7 | 2.6 | 1.7 | .2 | | | | | | | | | 306 | 306 | 96 | 12 | | | | |
| 52/ 51 | .1 | .4 | 1.3 | 1.5 | 2.3 | 2.6 | 1.9 | .8 | .1 | | | | | | | | | 264 | 264 | 183 | 43 | | | | |
| 50/ 49 | .0 | .8 | 1.2 | 1.4 | 2.0 | 1.9 | 1.2 | .2 | | | | | | | | | | 213 | 213 | 241 | 51 | | | | |
| 48/ 47 | .1 | .5 | 1.5 | 1.2 | 1.3 | 1.7 | 1.0 | .1 | | | | | | | | | | 175 | 175 | 327 | 59 | | | | |
| 46/ 45 | | .7 | .8 | 1.0 | 1.0 | 1.2 | .5 | | | | | | | | | | | 143 | 143 | 363 | 97 | | | | |
| 44/ 43 | .1 | .3 | .5 | .8 | .7 | .4 | .2 | | | | | | | | | | | 72 | 72 | 347 | 133 | | | | |
| 42/ 41 | | .2 | .6 | .5 | .4 | .1 | | | | | | | | | | | | 46 | 46 | 285 | 124 | | | | |
| 40/ 39 | | .2 | .5 | .3 | .2 | .2 | | | | | | | | | | | | 31 | 31 | 206 | 179 | | | | |
| 38/ 37 | | .0 | .2 | .0 | .1 | | | | | | | | | | | | | 11 | 11 | 158 | 171 | | | | |
| 36/ 35 | .0 | .0 | .0 | | | | | | | | | | | | | | | 3 | 3 | 93 | 210 | | | | |
| 34/ 33 | | .0 | | .1 | | | | | | | | | | | | | | 3 | 3 | 38 | 198 | | | | |
| 32/ 31 | | | | | | | | | | | | | | | | | | | | 11 | 219 | | | | |
| 30/ 29 | | | | | | | | | | | | | | | | | | | | 3 | 182 | | | | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 2 | 132 | | | | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | | 143 | | | | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | 117 | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | 86 | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | 63 | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | 53 | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | 39 | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | 30 | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | 24 | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | 10 | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | 3 | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | 2 | | | | |
| Element (X) | Σx^2 | | Σx | | \bar{x} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≤ 67 F | ≥ 73 F | ≥ 89 F | ≥ 93 F | Total | | | | | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | | | | | |
| L. W. Point | | | | | | | | | | | | | | | | | | | | | | | | | |

2

(

YEARS

MONTH

1800-2000
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OLA) 21-10 METHOD EDITIONS OF THIS FORM ARE OBSOLETE JUL 64

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

PSYCHROMETRIC SUMMARY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
YEARS

DEC
MONTH

PAGE 1

2100-2300
HOURS (L. S. T.)

| Temp. (F) | WET BULB TEMPERATURE DEPRESSION (F) | | | | | | | | | | | | | | | | | TOTAL D.B.-W.B. | TOTAL | | |
|--------------|-------------------------------------|-----|------------|-----|-----------|------|------------|-------|----------|-------|------------------------------------|--------|--------|--------|--------|--------|-------|--------------------|----------|----------|-----------|
| | 0 | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | ≥ 31 | | Dry Bulb | Wet Bulb | Dew Point |
| 68/ 67 | | | | | | | | .0 | | | | | | | | | | 1 | 1 | | |
| 66/ 65 | | | | | | .1 | .1 | .1 | | .1 | | | | | | | | 9 | 9 | | |
| 64/ 63 | | | | | | .0 | .0 | .1 | .1 | .0 | | | | | | | | 7 | 7 | | |
| 62/ 61 | | | | | .2 | .1 | .0 | .2 | .2 | .0 | | | | | | | | 18 | 18 | | |
| 60/ 59 | | .0 | .1 | .0 | .5 | .8 | .3 | .4 | .3 | .0 | | | | | | | | 55 | 55 | | |
| 58/ 57 | | .3 | .1 | .3 | .5 | .7 | .4 | .4 | .2 | | | | | | | | | 63 | 63 | 2 | |
| 56/ 55 | .1 | .5 | .5 | .9 | 1.1 | 1.1 | 1.1 | .6 | .1 | | | | | | | | | 126 | 126 | 15 | |
| 54/ 53 | .1 | .8 | 1.2 | .5 | 1.1 | 2.1 | 1.3 | .6 | .2 | | | | | | | | | 168 | 168 | 32 | |
| 52/ 51 | .3 | .6 | .9 | 1.1 | 1.7 | 2.5 | 1.8 | .6 | .3 | | | | | | | | | 203 | 203 | 60 | |
| 50/ 49 | .1 | 1.1 | 1.7 | 2.3 | 2.5 | 2.7 | 1.9 | .7 | | | | | | | | | | 274 | 274 | 110 | |
| 48/ 47 | | 1.3 | 1.9 | 2.2 | 2.8 | 2.4 | 1.1 | .2 | | | | | | | | | | 251 | 251 | 112 | |
| 46/ 45 | | 1.7 | 2.7 | 3.3 | 2.6 | 1.5 | .6 | .0 | | | | | | | | | | 261 | 261 | 162 | |
| 44/ 43 | .1 | 1.8 | 2.2 | 2.2 | 2.2 | 1.4 | .5 | | | | | | | | | | | 220 | 221 | 269 | |
| 42/ 41 | .1 | 1.3 | 1.4 | 2.7 | 1.6 | 1.0 | .1 | | | | | | | | | | | 173 | 173 | 300 | |
| 40/ 39 | .0 | 1.0 | 1.1 | 1.4 | 1.4 | .4 | | | | | | | | | | | | 111 | 111 | 295 | |
| 38/ 37 | .0 | .7 | .9 | 1.1 | 1.0 | .1 | | | | | | | | | | | | 80 | 80 | 259 | |
| 36/ 35 | | .8 | .5 | .5 | .3 | | | | | | | | | | | | | 44 | 44 | 199 | |
| 34/ 33 | | .5 | .1 | .2 | .1 | | | | | | | | | | | | | 10 | 19 | 150 | |
| 32/ 31 | | .0 | .0 | .2 | | | | | | | | | | | | | | 6 | 6 | 76 | |
| 30/ 29 | | | .0 | | | | | | | | | | | | | | | 1 | 1 | 33 | |
| 28/ 27 | | | | | | | | | | | | | | | | | | | | 12 | |
| 26/ 25 | | | | | | | | | | | | | | | | | | | | 4 | |
| 24/ 23 | | | | | | | | | | | | | | | | | | | | | |
| 22/ 21 | | | | | | | | | | | | | | | | | | | | | |
| 20/ 19 | | | | | | | | | | | | | | | | | | | | | |
| 18/ 17 | | | | | | | | | | | | | | | | | | | | | |
| 16/ 15 | | | | | | | | | | | | | | | | | | | | | |
| 14/ 13 | | | | | | | | | | | | | | | | | | | | | |
| 12/ 11 | | | | | | | | | | | | | | | | | | | | | |
| 10/ 9 | | | | | | | | | | | | | | | | | | | | | |
| 8/ 7 | | | | | | | | | | | | | | | | | | | | | |
| 6/ 5 | | | | | | | | | | | | | | | | | | | | | |
| 4/ 3 | | | | | | | | | | | | | | | | | | | | | |
| 2/ 1 | | | | | | | | | | | | | | | | | | | | | |
| Element (X) | ΣX^2 | | ΣX | | \bar{X} | | σ_x | | No. Obs. | | Mean No. of Hours with Temperature | | | | | | | | | | |
| Rel. Hum. | | | | | | | | | | | ≤ 0 F | ≤ 32 F | ≥ 57 F | ≥ 73 F | ≥ 80 F | ≥ 93 F | Total | | | | |
| Dry Bulb | | | | | | | | | | | | | | | | | | | | | |
| Wet Bulb | | | | | | | | | | | | | | | | | | | | | |
| Dew Point | | | | | | | | | | | | | | | | | | | | | |

PSYCHROMETRIC SUMMARY

DEC

YEARS

2100-2300

[illegible]

USAFETAC
FORM
JUL 64
0-26-5 (OL A)
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|-------|-------|--------|--------|--------|--------|--------|
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 00-02 | MEAN | 43.7 | 46.9 | 51.8 | 60.2 | 68.1 | 76.4 | 84.1 | 81.9 | 76.4 | 64.9 | 51.1 | 44.8 | 63.1 |
| | S D | 6.414 | 7.214 | 6.494 | 6.934 | 6.763 | 6.386 | 4.675 | 4.544 | 5.905 | 7.164 | 6.752 | 6.467 | 15.598 |
| | TOTAL OBS | 1888 | 1660 | 1863 | 1900 | 2076 | 2017 | 2078 | 2068 | 1974 | 1962 | 1889 | 1952 | 23327 |
| 03-05 | MEAN | 41.3 | 44.2 | 48.6 | 56.0 | 63.3 | 71.6 | 80.5 | 78.9 | 72.9 | 61.6 | 48.6 | 42.7 | 59.7 |
| | S D | 6.798 | 7.291 | 6.487 | 6.783 | 6.534 | 6.495 | 4.445 | 4.287 | 6.012 | 7.139 | 6.831 | 6.744 | 15.143 |
| | TOTAL OBS | 2174 | 1922 | 2159 | 2182 | 2325 | 2252 | 2308 | 2336 | 2225 | 2252 | 2165 | 2176 | 26476 |
| 06-08 | MEAN | 39.9 | 43.3 | 48.7 | 58.1 | 68.2 | 77.3 | 83.3 | 80.6 | 74.4 | 61.8 | 48.1 | 41.1 | 60.8 |
| | S D | 7.158 | 7.238 | 7.049 | 8.051 | 8.095 | 7.413 | 5.083 | 4.962 | 6.902 | 8.014 | 7.123 | 6.932 | 16.949 |
| | TOTAL OBS | 2698 | 2397 | 2704 | 2713 | 2819 | 2721 | 2786 | 2871 | 2709 | 2806 | 2692 | 2688 | 32604 |
| 09-11 | MEAN | 50.1 | 55.0 | 61.8 | 71.7 | 81.4 | 89.8 | 92.7 | 90.3 | 87.1 | 75.5 | 61.4 | 52.0 | 72.7 |
| | S D | 7.667 | 8.024 | 8.324 | 8.789 | 7.853 | 6.719 | 5.348 | 5.436 | 6.756 | 8.824 | 8.321 | 7.802 | 16.981 |
| | TOTAL OBS | 2866 | 2556 | 2897 | 2889 | 2986 | 2884 | 2942 | 3044 | 2893 | 2990 | 2859 | 2915 | 34721 |
| 12-14 | MEAN | 60.0 | 64.2 | 69.4 | 78.6 | 88.0 | 96.4 | 98.7 | 96.6 | 94.0 | 83.4 | 70.5 | 61.8 | 80.4 |
| | S D | 7.783 | 8.110 | 9.013 | 9.199 | 8.149 | 6.840 | 5.504 | 5.457 | 6.793 | 8.794 | 8.340 | 7.661 | 15.955 |
| | TOTAL OBS | 2878 | 2572 | 2912 | 2896 | 2963 | 2879 | 2947 | 3032 | 2895 | 3003 | 2878 | 2919 | 34794 |
| 15-17 | MEAN | 62.2 | 66.4 | 71.4 | 80.4 | 90.2 | 99.0 | 101.2 | 98.3 | 95.6 | 84.4 | 71.2 | 63.1 | 82.3 |
| | S D | 8.016 | 8.535 | 9.232 | 9.287 | 7.950 | 6.702 | 5.840 | 5.603 | 6.988 | 8.873 | 8.349 | 7.770 | 16.201 |
| | TOTAL OBS | 2796 | 2492 | 2827 | 2810 | 2894 | 2803 | 2846 | 2932 | 2792 | 2907 | 2787 | 2805 | 33691 |
| 18-20 | MEAN | 53.8 | 59.1 | 65.2 | 74.4 | 84.4 | 93.6 | 96.8 | 93.7 | 88.4 | 75.5 | 61.4 | 54.1 | 75.6 |
| | S D | 7.075 | 7.803 | 8.729 | 8.892 | 8.188 | 7.291 | 6.384 | 6.238 | 7.039 | 8.222 | 7.283 | 6.484 | 17.130 |
| | TOTAL OBS | 2527 | 2237 | 2538 | 2572 | 2676 | 2594 | 2662 | 2750 | 2601 | 2650 | 2516 | 2402 | 30725 |
| 21-23 | MEAN | 46.9 | 51.1 | 56.8 | 65.8 | 74.5 | 83.2 | 89.0 | 86.5 | 81.0 | 68.4 | 54.5 | 47.6 | 68.1 |
| | S D | 6.509 | 6.892 | 6.912 | 7.419 | 6.951 | 6.488 | 5.435 | 5.213 | 6.119 | 7.545 | 6.708 | 6.105 | 16.302 |
| | TOTAL OBS | 2101 | 1822 | 2149 | 2188 | 2360 | 2376 | 2418 | 2436 | 2258 | 2262 | 2116 | 2091 | 26577 |
| ALL HOURS | MEAN | 50.4 | 54.5 | 60.0 | 69.0 | 78.1 | 86.7 | 91.3 | 89.0 | 84.4 | 72.8 | 59.2 | 51.6 | 71.1 |
| | S D | 10.790 | 11.455 | 11.729 | 12.190 | 12.141 | 11.678 | 9.015 | 8.849 | 10.608 | 11.920 | 11.609 | 10.707 | 18.313 |
| | TOTAL OBS | 19928 | 17658 | 20049 | 20150 | 21119 | 20526 | 20987 | 21469 | 20347 | 20832 | 19902 | 19948 | 242915 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

| STATION | | STATION NAME | | | | | | | | | | | | YEARS |
|-----------|-----------|--------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| HRS (LST) | | JAN. | FEB. | MAR | APR | MAY | JUN. | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL |
| 00-02 | MEAN | 38.9 | 40.9 | 43.6 | 47.8 | 51.4 | 56.6 | 67.3 | 68.4 | 62.1 | 53.5 | 43.3 | 39.0 | 51.5 |
| | S D | 6.126 | 6.232 | 5.201 | 4.645 | 4.615 | 5.354 | 4.658 | 4.355 | 5.590 | 5.775 | 5.926 | 6.023 | 11.588 |
| | TOTAL OBS | 1888 | 1648 | 1861 | 1900 | 2067 | 2017 | 2075 | 2059 | 1971 | 1953 | 1886 | 1952 | 23277 |
| 03-05 | MEAN | 37.1 | 38.9 | 41.5 | 45.3 | 48.8 | 54.2 | 66.3 | 67.5 | 60.5 | 51.6 | 41.7 | 37.6 | 49.6 |
| | S D | 6.505 | 6.461 | 5.422 | 5.051 | 4.856 | 5.783 | 5.211 | 4.761 | 6.220 | 6.337 | 6.117 | 6.299 | 11.945 |
| | TOTAL OBS | 2174 | 1908 | 2158 | 2182 | 2315 | 2252 | 2303 | 2326 | 2221 | 2243 | 2162 | 2176 | 26420 |
| 06-08 | MEAN | 35.9 | 38.1 | 41.4 | 46.2 | 51.4 | 57.3 | 67.5 | 68.1 | 61.0 | 51.4 | 41.3 | 36.5 | 50.0 |
| | S D | 6.832 | 6.554 | 5.636 | 5.587 | 5.216 | 5.636 | 4.783 | 4.562 | 6.418 | 6.907 | 6.216 | 6.481 | 12.666 |
| | TOTAL OBS | 2698 | 2381 | 2704 | 2713 | 2810 | 2721 | 2784 | 2862 | 2703 | 2797 | 2688 | 2687 | 32549 |
| 09-11 | MEAN | 42.2 | 44.8 | 48.2 | 52.6 | 57.1 | 62.3 | 70.1 | 70.3 | 66.0 | 57.8 | 48.8 | 43.2 | 55.5 |
| | S D | 6.089 | 5.871 | 4.875 | 4.896 | 4.271 | 4.520 | 3.658 | 3.470 | 4.832 | 5.682 | 5.287 | 5.736 | 11.040 |
| | TOTAL OBS | 2866 | 2543 | 2896 | 2888 | 2979 | 2884 | 2940 | 3035 | 2893 | 2984 | 2855 | 2916 | 34679 |
| 12-14 | MEAN | 47.1 | 48.9 | 51.1 | 55.0 | 59.3 | 64.3 | 71.3 | 71.9 | 67.7 | 60.6 | 52.6 | 48.0 | 58.3 |
| | S D | 5.344 | 5.169 | 4.681 | 4.784 | 4.219 | 4.191 | 3.328 | 3.333 | 4.339 | 5.037 | 4.638 | 4.830 | 9.784 |
| | TOTAL OBS | 2878 | 2566 | 2912 | 2894 | 2977 | 2879 | 2944 | 3024 | 2894 | 2997 | 2875 | 2919 | 34759 |
| 15-17 | MEAN | 47.9 | 49.7 | 51.6 | 55.5 | 59.8 | 64.9 | 71.5 | 71.9 | 67.6 | 60.7 | 53.0 | 48.6 | 58.7 |
| | S D | 5.152 | 5.098 | 4.632 | 4.720 | 4.002 | 4.049 | 3.124 | 3.316 | 4.191 | 4.915 | 4.612 | 4.709 | 9.528 |
| | TOTAL OBS | 2795 | 2485 | 2825 | 2810 | 2888 | 2803 | 2844 | 2926 | 2791 | 2901 | 2784 | 2805 | 33657 |
| 18-20 | MEAN | 44.5 | 47.0 | 49.5 | 53.7 | 58.1 | 63.5 | 70.6 | 70.8 | 66.0 | 58.1 | 49.1 | 44.7 | 56.7 |
| | S D | 5.503 | 5.452 | 4.779 | 4.715 | 4.193 | 4.184 | 3.062 | 3.366 | 4.503 | 5.329 | 5.202 | 5.109 | 10.387 |
| | TOTAL OBS | 2526 | 2226 | 2538 | 2572 | 2667 | 2594 | 2659 | 2744 | 2599 | 2441 | 2516 | 2402 | 30684 |
| 21-23 | MEAN | 40.9 | 43.2 | 46.0 | 50.2 | 54.3 | 59.8 | 68.8 | 69.2 | 63.4 | 55.1 | 45.4 | 40.8 | 53.7 |
| | S D | 5.967 | 5.868 | 4.845 | 4.664 | 4.339 | 4.755 | 3.718 | 3.967 | 5.187 | 5.736 | 5.671 | 5.580 | 11.159 |
| | TOTAL OBS | 2101 | 1810 | 2149 | 2188 | 2351 | 2376 | 2415 | 2430 | 2257 | 2253 | 2113 | 2090 | 26533 |
| ALL HOURS | MEAN | 42.1 | 44.3 | 47.0 | 51.1 | 55.3 | 60.7 | 69.3 | 70.0 | 64.5 | 56.4 | 47.3 | 42.7 | 54.5 |
| | S D | 7.312 | 7.175 | 6.330 | 6.157 | 5.888 | 6.058 | 4.376 | 4.213 | 5.843 | 6.735 | 6.999 | 7.100 | 11.514 |
| | TOTAL OBS | 19926 | 17567 | 20043 | 20147 | 21054 | 20526 | 20964 | 21406 | 20329 | 20769 | 19879 | 19947 | 242557 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

23104 WILLIAMS AFB ARIZONA/CHANDLER 42-74

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|-----------|-----------|--------------|--------|--------|-------|-------|--------|-------|-------|--------|--------|--------|--------|--------|--|
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG. | SEP | OCT | NOV | DEC | ANNUAL | |
| 00-02 | MEAN | 31.7 | 32.7 | 33.1 | 33.7 | 33.8 | 38.8 | 57.4 | 61.0 | 52.2 | 43.3 | 33.3 | 30.5 | 40.5 | |
| | S D | 10.122 | 9.956 | 9.688 | 8.838 | 8.982 | 10.175 | 9.564 | 8.040 | 9.658 | 9.260 | 10.626 | 10.082 | 14.222 | |
| | TOTAL OBS | 1888 | 1648 | 1861 | 1900 | 2067 | 2017 | 2075 | 2058 | 1971 | 1952 | 1886 | 1952 | 23275 | |
| 03-05 | MEAN | 30.4 | 31.3 | 32.0 | 32.4 | 32.5 | 37.7 | 57.6 | 61.1 | 51.4 | 41.9 | 32.5 | 29.9 | 39.5 | |
| | S D | 10.189 | 10.014 | 9.485 | 9.096 | 9.158 | 10.418 | 9.809 | 8.130 | 10.277 | 10.101 | 10.291 | 9.846 | 14.601 | |
| | TOTAL OBS | 2174 | 1908 | 2159 | 2182 | 2315 | 2252 | 2303 | 2326 | 2221 | 2243 | 2162 | 2176 | 26421 | |
| 06-08 | MEAN | 29.4 | 30.4 | 31.8 | 32.5 | 34.1 | 40.1 | 58.3 | 61.2 | 51.5 | 41.4 | 32.1 | 29.4 | 39.6 | |
| | S D | 10.167 | 10.061 | 9.455 | 8.989 | 8.772 | 9.939 | 9.246 | 7.757 | 10.396 | 10.709 | 10.139 | 9.609 | 14.687 | |
| | TOTAL OBS | 2698 | 2381 | 2704 | 2712 | 2810 | 2721 | 2785 | 2862 | 2703 | 2797 | 2688 | 2687 | 32548 | |
| 09-11 | MEAN | 31.7 | 32.3 | 32.7 | 33.2 | 35.1 | 41.5 | 57.9 | 60.9 | 52.9 | 43.4 | 34.9 | 32.1 | 40.9 | |
| | S D | 10.134 | 10.329 | 9.928 | 8.985 | 8.323 | 9.433 | 8.729 | 7.281 | 9.550 | 10.170 | 9.834 | 9.413 | 13.961 | |
| | TOTAL OBS | 2866 | 2543 | 2896 | 2888 | 2979 | 2884 | 2940 | 3035 | 2893 | 2984 | 2855 | 2915 | 34678 | |
| 12-14 | MEAN | 31.7 | 31.2 | 31.1 | 32.0 | 34.4 | 40.7 | 56.8 | 59.5 | 51.6 | 42.8 | 34.5 | 32.0 | 40.0 | |
| | S D | 10.541 | 10.892 | 10.165 | 8.949 | 8.442 | 9.461 | 8.335 | 7.522 | 9.655 | 9.964 | 9.960 | 9.809 | 13.891 | |
| | TOTAL OBS | 2878 | 2566 | 2912 | 2894 | 2976 | 2879 | 2944 | 3022 | 2894 | 2997 | 2876 | 2918 | 34756 | |
| 15-17 | MEAN | 31.3 | 30.5 | 30.1 | 31.1 | 33.3 | 39.7 | 55.7 | 58.1 | 50.4 | 42.4 | 34.7 | 32.1 | 39.3 | |
| | S D | 10.554 | 11.144 | 10.131 | 8.984 | 8.377 | 9.684 | 8.153 | 7.886 | 9.483 | 9.679 | 9.750 | 9.780 | 13.690 | |
| | TOTAL OBS | 2795 | 2485 | 2823 | 2810 | 2888 | 2803 | 2844 | 2926 | 2791 | 2901 | 2784 | 2805 | 33655 | |
| 18-20 | MEAN | 33.0 | 32.6 | 32.3 | 33.1 | 34.8 | 41.3 | 56.6 | 58.9 | 52.0 | 44.2 | 35.9 | 33.2 | 41.0 | |
| | S D | 10.211 | 10.864 | 9.609 | 8.908 | 8.435 | 9.024 | 7.592 | 7.571 | 8.981 | 9.262 | 9.728 | 9.458 | 13.284 | |
| | TOTAL OBS | 2526 | 2226 | 2538 | 2572 | 2667 | 2594 | 2659 | 2743 | 2599 | 2641 | 2516 | 2402 | 30683 | |
| 21-23 | MEAN | 32.5 | 33.0 | 33.0 | 33.5 | 34.6 | 40.8 | 57.5 | 59.9 | 51.7 | 43.5 | 34.4 | 31.5 | 41.0 | |
| | S D | 10.225 | 10.603 | 9.684 | 9.014 | 8.710 | 9.476 | 8.242 | 8.058 | 9.752 | 9.547 | 10.531 | 9.921 | 13.829 | |
| | TOTAL OBS | 2101 | 1810 | 2149 | 2188 | 2331 | 2376 | 2415 | 2427 | 2257 | 2253 | 2113 | 2090 | 26530 | |
| ALL HOURS | MEAN | 31.4 | 31.7 | 31.9 | 32.6 | 34.1 | 40.2 | 57.2 | 60.0 | 51.7 | 42.8 | 34.1 | 31.4 | 40.2 | |
| | S D | 10.336 | 10.568 | 9.840 | 9.007 | 8.661 | 9.750 | 8.729 | 7.834 | 9.740 | 9.916 | 10.141 | 9.794 | 14.028 | |
| | TOTAL OBS | 19926 | 17567 | 20042 | 20146 | 21053 | 20526 | 20965 | 21399 | 20329 | 20768 | 19880 | 19945 | 242546 | |

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74
PERIOD

ALL
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|-------------------|--|------|------|------|------|------|------|------|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | ALL | 99.9 | 94.4 | 82.6 | 68.1 | 53.8 | 40.0 | 27.3 | 16.5 | 7.6 | 54.5 | 19926 |
| FEB | | 99.4 | 88.6 | 74.2 | 58.8 | 44.6 | 31.5 | 19.9 | 10.9 | 3.4 | 48.6 | 17507 |
| MAR | | 98.1 | 81.3 | 62.7 | 45.6 | 31.2 | 20.2 | 12.2 | 6.1 | 1.6 | 41.4 | 20031 |
| APR | | 96.8 | 68.3 | 42.1 | 23.1 | 12.4 | 6.8 | 4.1 | 1.8 | .4 | 31.0 | 20146 |
| MAY | | 92.6 | 51.6 | 22.2 | 8.3 | 3.6 | 1.9 | 1.1 | .5 | .1 | 23.5 | 21053 |
| JUN | | 93.0 | 48.6 | 17.1 | 5.3 | 2.2 | 1.2 | .7 | .3 | .1 | 22.1 | 20526 |
| JUL | | 99.3 | 83.6 | 55.4 | 32.3 | 17.9 | 9.5 | 5.1 | 2.1 | .4 | 36.0 | 20962 |
| AUG | | 99.8 | 91.5 | 70.9 | 47.7 | 28.9 | 16.0 | 8.8 | 4.1 | .9 | 42.4 | 21398 |
| SEP | | 99.2 | 83.7 | 58.5 | 34.9 | 19.6 | 10.6 | 6.0 | 3.1 | .7 | 37.1 | 20329 |
| OCT | | 99.3 | 85.0 | 62.9 | 40.1 | 24.1 | 14.7 | 8.6 | 4.5 | 1.1 | 39.5 | 20768 |
| NOV | | 99.3 | 88.7 | 70.5 | 51.5 | 35.4 | 24.0 | 15.3 | 8.1 | 2.6 | 45.1 | 19879 |
| DEC | | 99.7 | 93.9 | 81.1 | 65.0 | 49.1 | 34.4 | 22.9 | 12.8 | 4.4 | 51.9 | 19944 |
| TOTALS | | 98.0 | 79.9 | 58.4 | 40.1 | 26.9 | 17.6 | 11.0 | 5.9 | 1.9 | 39.4 | 242529 |

2 DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

43-74
PERIOD

JAN
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|-------------------|--|------|------|------|------|------|------|------|------|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JAN | 00-02 | 100.0 | 99.4 | 96.4 | 86.7 | 74.3 | 59.2 | 42.3 | 27.6 | 15.4 | 65.7 | 1888 |
| | 03-05 | 100.0 | 99.5 | 97.3 | 89.7 | 77.8 | 63.4 | 46.2 | 31.2 | 16.3 | 67.8 | 2174 |
| | 06-08 | 100.0 | 99.8 | 97.9 | 91.0 | 79.8 | 66.3 | 48.6 | 29.5 | 13.3 | 68.2 | 2698 |
| | 09-11 | 99.9 | 97.3 | 86.7 | 68.3 | 50.6 | 34.0 | 21.1 | 10.3 | 3.1 | 52.7 | 2866 |
| | 12-14 | 99.6 | 85.6 | 58.8 | 36.4 | 21.7 | 11.6 | 6.1 | 3.0 | 1.3 | 37.9 | 2878 |
| | 15-17 | 99.6 | 79.2 | 49.9 | 29.5 | 16.8 | 9.9 | 5.7 | 3.0 | 1.1 | 34.8 | 2795 |
| | 18-20 | 100.0 | 95.5 | 80.4 | 62.0 | 43.4 | 26.7 | 15.7 | 8.2 | 2.8 | 48.8 | 2526 |
| | 21-23 | 100.0 | 99.0 | 93.4 | 80.8 | 66.0 | 48.9 | 32.9 | 19.3 | 7.4 | 60.2 | 2101 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.9 | 94.4 | 82.6 | 68.1 | 53.8 | 40.0 | 27.3 | 16.5 | 7.6 | 54.5 | 19926 |

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FEB
MONTH

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DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-45,47-74
PERIOD

MAR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS |
|--------|----------------|--|------|------|------|------|------|------|------|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAR | 00-02 | 99.6 | 96.7 | 87.6 | 71.0 | 48.6 | 30.5 | 19.2 | 10.6 | 2.5 | 52.2 | 1861 |
| | 03-05 | 100.0 | 98.0 | 90.1 | 76.2 | 59.0 | 40.4 | 24.8 | 13.2 | 4.1 | 56.1 | 2159 |
| | 06-08 | 100.0 | 98.0 | 88.6 | 73.3 | 58.4 | 40.5 | 24.9 | 12.6 | 3.3 | 55.5 | 2704 |
| | 09-11 | 99.1 | 80.9 | 57.1 | 38.3 | 22.4 | 12.9 | 7.0 | 2.3 | .7 | 37.6 | 2896 |
| | 12-14 | 95.1 | 59.4 | 33.0 | 16.8 | 8.5 | 5.2 | 2.5 | 1.4 | .3 | 27.6 | 2907 |
| | 15-17 | 92.3 | 50.5 | 24.9 | 12.2 | 7.3 | 4.5 | 2.7 | 1.2 | .2 | 25.0 | 2817 |
| | 18-20 | 98.5 | 74.7 | 46.5 | 25.7 | 14.1 | 8.5 | 5.2 | 2.5 | .5 | 33.0 | 2538 |
| | 21-23 | 99.8 | 92.5 | 73.4 | 51.6 | 31.2 | 19.0 | 11.4 | 5.1 | 1.2 | 43.9 | 2149 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 98.1 | 81.3 | 62.7 | 45.6 | 31.2 | 20.2 | 12.2 | 6.1 | 1.6 | 41.4 | 20031 |

2

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74

PERIOD

APR
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|----------------|--|------|------|------|------|------|-----|-----|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | | 50% | 60% | 70% | 80% | 90% | | |
| APR | 00-02 | 99.6 | 93.3 | 67.5 | 39.4 | 20.9 | 12.1 | 7.3 | 3.8 | .9 | 39.9 | 1900 |
| | 03-05 | 99.8 | 95.5 | 76.9 | 49.6 | 28.3 | 15.0 | 9.7 | 4.0 | 1.0 | 43.6 | 2182 |
| | 06-08 | 99.9 | 94.3 | 70.5 | 42.1 | 22.4 | 11.8 | 6.7 | 2.5 | .6 | 40.7 | 2712 |
| | 09-11 | 97.8 | 61.4 | 29.1 | 13.3 | 5.8 | 2.9 | 1.5 | .8 | .3 | 26.8 | 2888 |
| | 12-14 | 92.3 | 37.3 | 13.6 | 5.3 | 3.0 | 1.5 | .9 | .3 | .1 | 20.5 | 2894 |
| | 15-17 | 88.0 | 30.1 | 9.9 | 4.3 | 2.5 | 1.6 | 1.0 | .5 | | 18.8 | 2810 |
| | 18-20 | 97.4 | 52.8 | 23.2 | 9.3 | 4.7 | 3.0 | 1.7 | .7 | .2 | 24.5 | 2572 |
| | 21-23 | 99.9 | 81.6 | 46.0 | 21.7 | 11.5 | 6.8 | 4.3 | 1.8 | .4 | 32.9 | 2188 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 96.8 | 68.3 | 42.1 | 23.1 | 12.4 | 6.8 | 4.1 | 1.8 | .4 | 31.0 | 20146 |

2

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74
PERIOD

MAY
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|------|------|------|-----|-----|-----|-----|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| MAY | 00-02 | 99.9 | 78.7 | 38.8 | 14.2 | 6.7 | 3.5 | 2.1 | .8 | .1 | 30.0 | 2067 |
| | 03-05 | 100.0 | 87.3 | 51.9 | 21.7 | 9.4 | 5.3 | 2.6 | 1.5 | .3 | 33.4 | 2315 |
| | 06-08 | 99.8 | 80.0 | 38.8 | 16.0 | 6.7 | 3.2 | 1.6 | .7 | .2 | 30.3 | 2810 |
| | 09-11 | 95.4 | 39.4 | 11.9 | 3.6 | 1.0 | .5 | .3 | .1 | .1 | 20.4 | 2979 |
| | 12-14 | 82.0 | 29.5 | 3.9 | 1.2 | .7 | .4 | .3 | .1 | .1 | 16.2 | 2976 |
| | 15-17 | 74.3 | 13.9 | 2.0 | .8 | .5 | .3 | .2 | .1 | .1 | 14.5 | 2888 |
| | 18-20 | 90.1 | 31.5 | 7.7 | 2.2 | 1.1 | .7 | .5 | .3 | .1 | 18.6 | 2557 |
| | 21-23 | 98.9 | 61.6 | 21.8 | 6.3 | 2.8 | 1.5 | .9 | .5 | .0 | 24.9 | 2351 |
| | | | | | | | | | | | | |
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| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 92.6 | 51.6 | 22.2 | 8.3 | 3.6 | 1.9 | 1.1 | .5 | .1 | 23.5 | 21053 |

2

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74

PERIOD

JUN
MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)**

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|----------------|--|------|------|------|-----|-----|-----|-----|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUN | 00-02 | 99.7 | 76.0 | 27.2 | 8.2 | 3.5 | 2.1 | 1.3 | .9 | .1 | 27.3 | 2017 |
| | 03-05 | 100.0 | 86.8 | 41.0 | 12.6 | 5.0 | 3.0 | 1.9 | .8 | .2 | 30.6 | 2252 |
| | 06-08 | 99.6 | 76.4 | 30.2 | 9.8 | 3.9 | 2.1 | 1.1 | .4 | .0 | 27.9 | 2721 |
| | 09-11 | 95.4 | 37.1 | 9.5 | 2.9 | 1.0 | .2 | .1 | | | 20.0 | 2884 |
| | 12-14 | 83.6 | 18.1 | 4.1 | 1.5 | .3 | .1 | .1 | | | 15.8 | 2679 |
| | 15-17 | 75.6 | 11.2 | 2.8 | 1.0 | .6 | .4 | .2 | .0 | | 14.1 | 2803 |
| | 18-20 | 91.2 | 26.0 | 5.5 | 2.0 | 1.0 | .6 | .3 | .1 | | 17.7 | 2594 |
| | 21-23 | 99.2 | 57.4 | 16.1 | 4.7 | 2.1 | 1.4 | .8 | .4 | .1 | 23.7 | 2376 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 93.0 | 48.6 | 17.1 | 5.3 | 2.2 | 1.2 | .7 | .3 | .1 | 22.1 | 20526 |

USAFETAC

FORM
JUL 64

0-87-5 (OL A)

RELATIVE HUMIDITY

JUL
MONTH

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|-------------------|--|------|------|------|------|------|------|-----|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| JUL | 00-02 | 100.0 | 95.9 | 74.8 | 48.3 | 28.5 | 16.5 | 9.2 | 3.6 | .7 | 43.3 | 2075 |
| | 03-05 | 100.0 | 98.2 | 85.8 | 62.5 | 40.0 | 21.5 | 12.8 | 5.5 | .8 | 48.2 | 2303 |
| | 06-08 | 100.0 | 96.6 | 80.7 | 58.7 | 33.6 | 16.8 | 8.8 | 3.3 | .4 | 45.4 | 2784 |
| | 09-11 | 99.6 | 83.5 | 57.2 | 26.5 | 11.0 | 4.3 | 1.7 | .5 | .1 | 33.9 | 2940 |
| | 12-14 | 98.5 | 70.7 | 32.0 | 10.0 | 3.4 | 1.7 | .8 | .3 | .1 | 27.1 | 2943 |
| | 15-17 | 97.1 | 58.8 | 19.1 | 6.9 | 3.2 | 1.7 | .9 | .3 | .1 | 24.2 | 2843 |
| | 18-20 | 99.4 | 72.9 | 33.6 | 13.7 | 7.1 | 3.7 | 1.5 | .7 | .2 | 28.7 | 2659 |
| | 21-23 | 100.0 | 91.8 | 60.1 | 31.8 | 16.5 | 9.7 | 5.3 | 2.4 | .5 | 37.4 | 2415 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.3 | 83.6 | 55.4 | 32.3 | 17.9 | 9.5 | 5.1 | 2.1 | .4 | 36.0 | 20962 |

2 DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74

PERIOD

AUG
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS |
|--------|----------------|--|------|------|------|------|------|------|------|-----|------------------------------|-----------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| AUG | 00-02 | 100.0 | 99.4 | 92.1 | 71.7 | 46.2 | 26.6 | 15.4 | 7.4 | 1.7 | 51.7 | 2058 |
| | 03-05 | 100.0 | 99.9 | 95.7 | 83.7 | 60.7 | 35.2 | 21.2 | 10.4 | 2.3 | 56.5 | 2326 |
| | 06-08 | 100.0 | 99.9 | 94.7 | 78.5 | 54.4 | 31.2 | 17.4 | 7.5 | 1.1 | 54.0 | 2862 |
| | 09-11 | 100.0 | 94.2 | 73.0 | 42.3 | 20.4 | 8.9 | 3.4 | 1.5 | .5 | 40.0 | 3035 |
| | 12-14 | 99.7 | 82.6 | 48.1 | 18.2 | 5.7 | 2.5 | 1.2 | .6 | .1 | 31.4 | 3022 |
| | 15-17 | 98.9 | 73.5 | 33.5 | 11.8 | 4.0 | 2.4 | 1.0 | .5 | .2 | 28.2 | 2926 |
| | 18-20 | 100.0 | 85.7 | 52.2 | 24.6 | 12.9 | 6.0 | 2.9 | 1.2 | .3 | 34.2 | 2743 |
| | 21-23 | 100.0 | 96.7 | 78.2 | 50.4 | 27.2 | 14.9 | 8.2 | 3.7 | .7 | 43.5 | 2426 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.8 | 91.5 | 70.9 | 47.7 | 26.9 | 16.0 | 8.6 | 4.1 | .9 | 42.4 | 21398 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74
PERIOD

SEP
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|----------------|--|------|------|------|------|------|------|-----|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| SEP | 00-02 | 100.0 | 98.1 | 84.2 | 53.6 | 30.5 | 16.9 | 9.5 | 5.3 | 1.3 | 45.5 | 1971 |
| | 03-05 | 100.0 | 99.2 | 89.7 | 65.2 | 39.6 | 22.7 | 13.0 | 7.1 | 1.8 | 49.2 | 2221 |
| | 06-08 | 100.0 | 98.4 | 85.9 | 59.8 | 36.7 | 20.7 | 11.0 | 5.2 | 1.2 | 47.3 | 2703 |
| | 09-11 | 99.5 | 84.0 | 51.4 | 26.2 | 12.5 | 5.2 | 2.6 | .9 | .3 | 33.8 | 2893 |
| | 12-14 | 97.5 | 62.9 | 27.7 | 11.4 | 5.0 | 2.1 | 1.0 | .5 | .1 | 26.3 | 2894 |
| | 15-17 | 97.1 | 52.0 | 20.3 | 8.7 | 4.5 | 2.4 | 1.6 | .6 | .1 | 24.1 | 2791 |
| | 18-20 | 99.8 | 80.8 | 42.3 | 18.5 | 9.5 | 5.3 | 3.2 | 1.5 | .3 | 31.5 | 2599 |
| | 21-23 | 99.7 | 93.8 | 66.2 | 35.5 | 18.3 | 9.4 | 5.9 | 3.5 | .7 | 38.8 | 2257 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.2 | 83.7 | 58.5 | 34.9 | 19.6 | 10.6 | 6.0 | 3.1 | .7 | 37.1 | 20329 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74

PERIOD

OCT
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (L.S.T.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-------------------|--|------|------|------|------|------|------|-----|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| OCT | 00-02 | 99.9 | 98.5 | 88.5 | 60.3 | 36.0 | 22.1 | 13.4 | 7.1 | 1.7 | 48.3 | 1952 |
| | 03-05 | 100.0 | 99.3 | 89.9 | 67.3 | 43.1 | 27.6 | 16.8 | 9.8 | 3.3 | 51.3 | 2243 |
| | 06-08 | 100.0 | 98.5 | 87.4 | 64.2 | 42.0 | 26.8 | 16.3 | 9.1 | 2.6 | 50.2 | 2797 |
| | 09-11 | 99.5 | 82.9 | 51.4 | 28.7 | 16.2 | 9.5 | 5.1 | 1.9 | .4 | 35.1 | 2984 |
| | 12-14 | 97.5 | 60.8 | 28.3 | 13.8 | 6.7 | 3.6 | 1.7 | .7 | .1 | 26.8 | 2997 |
| | 15-17 | 97.9 | 56.0 | 24.1 | 11.2 | 6.1 | 3.2 | 2.0 | 1.1 | .1 | 25.6 | 2901 |
| | 18-20 | 99.9 | 87.7 | 54.9 | 28.5 | 14.8 | 8.2 | 3.9 | 1.8 | .2 | 35.5 | 2641 |
| | 21-23 | 99.9 | 96.0 | 78.5 | 46.4 | 27.8 | 16.9 | 9.6 | 4.2 | .6 | 43.4 | 2253 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.3 | 85.0 | 62.9 | 40.1 | 24.1 | 14.7 | 8.6 | 4.5 | 1.1 | 39.5 | 20768 |

2
DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104
STATION

WILLIAMS AFB ARIZONA/CHANDLER
STATION NAME

42-74

PERIOD

NOV
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO OF OBS. |
|--------|----------------|--|------|------|------|------|------|------|------|-----|------------------------------|------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| NOV | 00-02 | 99.9 | 97.6 | 87.2 | 71.2 | 51.5 | 36.5 | 24.3 | 13.2 | 5.4 | 54.2 | 1886 |
| | 03-05 | 99.9 | 99.0 | 91.3 | 75.2 | 55.7 | 41.4 | 29.3 | 16.0 | 6.0 | 57.1 | 2162 |
| | 06-08 | 99.9 | 99.2 | 91.4 | 74.6 | 56.7 | 42.6 | 29.3 | 16.9 | 4.8 | 57.2 | 2688 |
| | 09-11 | 99.6 | 88.3 | 63.9 | 43.7 | 28.9 | 17.1 | 8.6 | 3.7 | .7 | 41.0 | 2855 |
| | 12-14 | 97.7 | 68.1 | 38.7 | 20.5 | 10.2 | 5.7 | 2.9 | 1.5 | .5 | 30.0 | 2875 |
| | 15-17 | 97.4 | 68.1 | 36.9 | 17.1 | 8.9 | 5.1 | 3.2 | 1.8 | .4 | 29.3 | 2784 |
| | 18-20 | 99.8 | 92.7 | 70.9 | 45.3 | 26.5 | 14.7 | 7.8 | 3.6 | 1.2 | 41.7 | 2516 |
| | 21-23 | 99.2 | 96.4 | 83.3 | 64.6 | 44.9 | 28.5 | 16.9 | 7.7 | 1.9 | 50.1 | 2113 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.3 | 88.7 | 70.5 | 51.5 | 35.4 | 24.0 | 15.3 | 9.1 | 2.6 | 45.1 | 19879 |

DATA PROCESSING BRANCH
ETAC/USAF
AIR WEATHER SERVICE/MAC

RELATIVE HUMIDITY

23104 WILLIAMS AFB ARIZONA/CHANDLER
STATION STATION NAME

42-74

PERIOD

DEC
MONTH

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

| MONTH | HOURS (LST.) | PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN | | | | | | | | | MEAN RELATIVE HUMIDITY | TOTAL NO. OF OBS. |
|--------|-----------------|--|------|------|------|------|------|------|------|-----|------------------------------|-------------------------|
| | | 10% | 20% | 30% | 40% | 50% | 60% | 70% | 80% | 90% | | |
| DEC | 00-02 | 100.0 | 99.0 | 93.8 | 81.0 | 64.7 | 47.2 | 32.3 | 19.8 | 7.7 | 60.3 | 1952 |
| | 03-05 | 100.0 | 99.6 | 96.4 | 86.0 | 71.7 | 53.6 | 38.4 | 23.4 | 9.2 | 63.4 | 2176 |
| | 06-08 | 100.0 | 99.8 | 96.9 | 89.4 | 76.1 | 60.6 | 43.0 | 24.9 | 8.7 | 65.5 | 2686 |
| | 09-11 | 99.9 | 96.3 | 83.0 | 64.1 | 46.2 | 30.7 | 17.7 | 7.4 | 1.9 | 50.2 | 2914 |
| | 12-14 | 98.9 | 82.0 | 54.6 | 33.4 | 19.3 | 9.7 | 4.8 | 2.2 | .8 | 36.2 | 2919 |
| | 15-17 | 98.8 | 79.7 | 49.7 | 29.9 | 17.0 | 9.0 | 5.7 | 2.9 | 1.1 | 35.0 | 2805 |
| | 18-20 | 100.0 | 96.5 | 82.6 | 60.1 | 40.0 | 25.0 | 15.1 | 6.7 | 2.0 | 48.3 | 2402 |
| | 21-23 | 100.0 | 98.4 | 91.5 | 76.1 | 57.5 | 39.5 | 26.4 | 15.0 | 3.9 | 56.5 | 2090 |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| TOTALS | | 99.7 | 93.9 | 81.1 | 65.0 | 49.1 | 34.4 | 22.9 | 12.8 | 4.4 | 51.9 | 19944 |

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

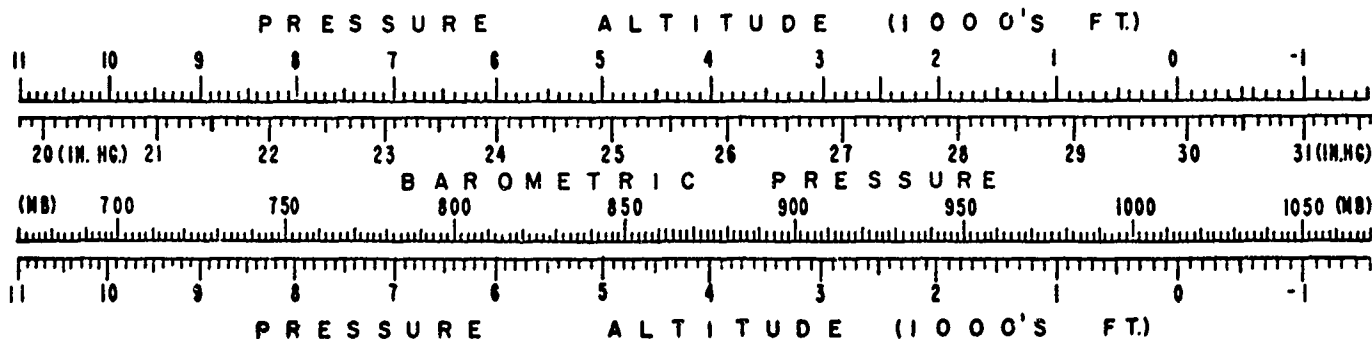
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

46-63,65-74

| STATION | STATION NAME | YEARS | | | | | | | | | | | | |
|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| HRS (LST) | | JAN. | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT. | NOV | DEC | ANNUAL |
| 00 | MEAN | 28.618 | 28.585 | 28.522 | 28.469 | 28.427 | 28.384 | 28.432 | 28.462 | 28.419 | 28.491 | 28.584 | 28.623 | 28.499 |
| | S D | .145 | .139 | .160 | .158 | .174 | .152 | .131 | .165 | .108 | .149 | .129 | .131 | .166 |
| | TOTAL OBS | 474 | 412 | 440 | 458 | 510 | 490 | 502 | 541 | 510 | 502 | 482 | 496 | 5817 |
| 03 | MEAN | 28.612 | 28.572 | 28.503 | 28.456 | 28.414 | 28.380 | 28.434 | 28.443 | 28.420 | 28.482 | 28.573 | 28.602 | 28.489 |
| | S D | .133 | .128 | .116 | .096 | .076 | .072 | .070 | .074 | .076 | .099 | .116 | .136 | .127 |
| | TOTAL OBS | 660 | 580 | 627 | 640 | 666 | 655 | 662 | 712 | 673 | 690 | 655 | 647 | 7867 |
| 06 | MEAN | 28.722 | 28.690 | 28.626 | 28.579 | 28.533 | 28.491 | 28.547 | 28.562 | 28.534 | 28.597 | 28.686 | 28.690 | 28.604 |
| | S D | .309 | .308 | .293 | .287 | .277 | .263 | .263 | .275 | .276 | .285 | .291 | .274 | .293 |
| | TOTAL OBS | 758 | 663 | 725 | 728 | 764 | 734 | 750 | 809 | 759 | 791 | 757 | 758 | 8996 |
| 09 | MEAN | 28.777 | 28.736 | 28.668 | 28.608 | 28.551 | 28.506 | 28.566 | 28.590 | 28.565 | 28.637 | 28.720 | 28.754 | 28.639 |
| | S D | .345 | .344 | .334 | .327 | .317 | .301 | .305 | .318 | .322 | .340 | .328 | .337 | .338 |
| | TOTAL OBS | 809 | 714 | 781 | 779 | 807 | 781 | 799 | 860 | 815 | 853 | 804 | 824 | 9626 |
| 12 | MEAN | 28.705 | 28.676 | 28.621 | 28.560 | 28.504 | 28.462 | 28.515 | 28.534 | 28.514 | 28.569 | 28.661 | 28.684 | 28.583 |
| | S D | .358 | .362 | .352 | .339 | .327 | .313 | .317 | .327 | .339 | .342 | .346 | .351 | .348 |
| | TOTAL OBS | 806 | 715 | 793 | 784 | 804 | 779 | 793 | 852 | 817 | 853 | 814 | 824 | 9634 |
| 15 | MEAN | 28.696 | 28.654 | 28.593 | 28.523 | 28.460 | 28.411 | 28.465 | 28.485 | 28.479 | 28.549 | 28.643 | 28.682 | 28.552 |
| | S D | .352 | .355 | .359 | .349 | .335 | .320 | .331 | .333 | .345 | .344 | .338 | .347 | .355 |
| | TOTAL OBS | 748 | 671 | 736 | 731 | 757 | 725 | 748 | 803 | 763 | 785 | 752 | 742 | 8961 |
| 18 | MEAN | 28.691 | 28.645 | 28.575 | 28.499 | 28.440 | 28.385 | 28.441 | 28.483 | 28.455 | 28.538 | 28.641 | 28.664 | 28.534 |
| | S D | .321 | .318 | .317 | .303 | .293 | .276 | .282 | .306 | .297 | .305 | .303 | .285 | .316 |
| | TOTAL OBS | 660 | 585 | 643 | 661 | 688 | 672 | 694 | 763 | 708 | 721 | 664 | 624 | 8091 |
| 21 | MEAN | 28.703 | 28.645 | 28.602 | 28.545 | 28.480 | 28.445 | 28.485 | 28.520 | 28.487 | 28.570 | 28.658 | 28.662 | 28.562 |
| | S D | .308 | .286 | .312 | .310 | .287 | .291 | .267 | .287 | .291 | .309 | .288 | .232 | .301 |
| | TOTAL OBS | 518 | 444 | 501 | 518 | 575 | 583 | 586 | 619 | 575 | 560 | 525 | 517 | 6521 |
| ALL HOURS | MEAN | 28.696 | 28.657 | 28.595 | 28.535 | 28.481 | 28.437 | 28.490 | 28.514 | 28.489 | 28.559 | 28.651 | 28.676 | 28.563 |
| | S D | .308 | .307 | .305 | .296 | .284 | .271 | .272 | .285 | .286 | .297 | .293 | .288 | .303 |
| | TOTAL OBS | 5441 | 4784 | 5246 | 5299 | 5571 | 5415 | 5534 | 5959 | 5620 | 5755 | 5453 | 5432 | 65513 |

DATA PROCESSING BRANCH
USAF ETAC
AIR WEATHER SERVICE/MAC

MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

23104

WILLIAMS AFB ARIZONA/CHANDLER

42-61,63-71

| STATION | | STATION NAME | | | | | | | | | | | | YEARS | |
|-----------|-----------|--------------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--|
| HRS (LST) | | JAN | FEB | MAR | APR | MAY | JUN | JUL | AUG | SEP | OCT | NOV | DEC | ANNUAL | |
| 00 | MEAN | 1017.8 | 1016.2 | 1013.5 | 1011.0 | 1008.8 | 1007.0 | 1008.8 | 1009.4 | 1008.9 | 1011.9 | 1015.9 | 1017.9 | 1012.1 | |
| | S D | 4.870 | 4.826 | 4.127 | 3.536 | 2.735 | 2.508 | 2.508 | 2.220 | 2.618 | 3.458 | 4.204 | 4.706 | 5.194 | |
| | TOTAL OBS | 628 | 553 | 589 | 600 | 682 | 660 | 681 | 682 | 656 | 630 | 629 | 650 | 7660 | |
| 03 | MEAN | 1017.8 | 1016.2 | 1013.6 | 1011.5 | 1009.5 | 1007.9 | 1009.6 | 1009.8 | 1009.4 | 1012.3 | 1016.1 | 1017.7 | 1012.5 | |
| | S D | 4.854 | 4.838 | 4.297 | 3.536 | 2.751 | 2.495 | 2.349 | 2.154 | 2.646 | 3.553 | 4.237 | 4.889 | 4.998 | |
| | TOTAL OBS | 749 | 664 | 717 | 709 | 785 | 767 | 786 | 793 | 777 | 779 | 745 | 741 | 9012 | |
| 06 | MEAN | 1019.1 | 1017.5 | 1015.0 | 1013.0 | 1010.9 | 1009.2 | 1011.0 | 1011.3 | 1010.9 | 1013.8 | 1017.5 | 1019.0 | 1013.9 | |
| | S D | 4.910 | 4.924 | 4.414 | 3.604 | 2.856 | 2.521 | 2.313 | 2.155 | 2.650 | 3.671 | 4.276 | 5.023 | 5.035 | |
| | TOTAL OBS | 774 | 681 | 741 | 731 | 815 | 790 | 811 | 818 | 801 | 808 | 777 | 804 | 9351 | |
| 09 | MEAN | 1019.8 | 1018.0 | 1015.3 | 1012.9 | 1010.6 | 1008.9 | 1010.7 | 1011.1 | 1010.7 | 1013.6 | 1017.5 | 1019.4 | 1014.0 | |
| | S D | 4.724 | 4.724 | 4.280 | 3.573 | 2.895 | 2.572 | 2.284 | 2.156 | 2.634 | 3.597 | 4.150 | 4.960 | 5.172 | |
| | TOTAL OBS | 793 | 703 | 765 | 750 | 829 | 809 | 824 | 834 | 824 | 831 | 796 | 821 | 9579 | |
| 12 | MEAN | 1017.0 | 1015.5 | 1013.2 | 1011.0 | 1008.7 | 1007.1 | 1008.7 | 1009.1 | 1008.5 | 1011.3 | 1014.9 | 1016.6 | 1011.7 | |
| | S D | 4.598 | 4.578 | 4.144 | 3.578 | 3.028 | 2.629 | 2.304 | 2.235 | 2.699 | 3.552 | 4.019 | 4.763 | 4.922 | |
| | TOTAL OBS | 792 | 704 | 767 | 748 | 826 | 806 | 828 | 836 | 825 | 834 | 795 | 822 | 9583 | |
| 15 | MEAN | 1016.6 | 1014.6 | 1011.9 | 1009.4 | 1007.0 | 1005.2 | 1006.6 | 1007.1 | 1007.1 | 1010.4 | 1014.4 | 1016.4 | 1010.5 | |
| | S D | 4.572 | 4.613 | 4.135 | 3.685 | 2.961 | 2.685 | 2.338 | 2.225 | 2.765 | 3.634 | 3.995 | 4.673 | 5.333 | |
| | TOTAL OBS | 748 | 670 | 722 | 710 | 791 | 767 | 790 | 790 | 776 | 781 | 753 | 750 | 9048 | |
| 18 | MEAN | 1017.6 | 1015.4 | 1012.6 | 1009.8 | 1007.2 | 1005.3 | 1007.3 | 1007.7 | 1007.7 | 1011.3 | 1015.5 | 1017.6 | 1011.1 | |
| | S D | 4.746 | 4.650 | 4.150 | 3.702 | 2.944 | 2.633 | 2.541 | 2.354 | 2.798 | 3.658 | 3.992 | 4.654 | 5.561 | |
| | TOTAL OBS | 718 | 631 | 687 | 692 | 769 | 761 | 771 | 781 | 764 | 768 | 722 | 719 | 8782 | |
| 21 | MEAN | 1018.0 | 1016.1 | 1013.4 | 1010.9 | 1008.6 | 1006.8 | 1008.6 | 1009.2 | 1008.6 | 1011.9 | 1016.0 | 1018.1 | 1012.0 | |
| | S D | 4.804 | 4.784 | 4.051 | 3.580 | 2.837 | 2.555 | 2.641 | 2.366 | 2.691 | 3.483 | 4.159 | 4.690 | 5.298 | |
| | TOTAL OBS | 629 | 552 | 602 | 613 | 700 | 695 | 711 | 700 | 675 | 658 | 634 | 651 | 7820 | |
| ALL HOURS | MEAN | 1018.0 | 1016.2 | 1013.6 | 1011.2 | 1008.9 | 1007.2 | 1008.9 | 1009.4 | 1009.0 | 1012.1 | 1016.0 | 1017.8 | 1012.3 | |
| | S D | 4.861 | 4.856 | 4.346 | 3.799 | 3.169 | 2.931 | 2.830 | 2.631 | 2.972 | 3.749 | 4.262 | 4.902 | 5.322 | |
| | TOTAL OBS | 5831 | 5158 | 5590 | 5553 | 6197 | 6055 | 6202 | 6236 | 6098 | 6109 | 5851 | 5958 | 70836 | |